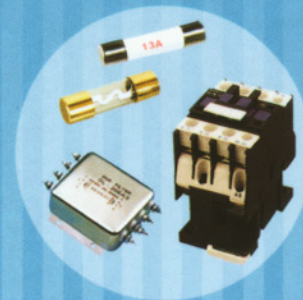
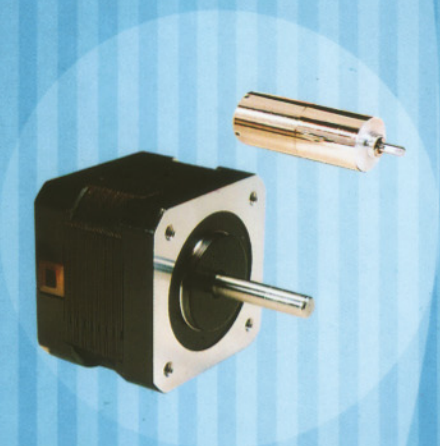




FULLING & CEIEC

- ELECTRIC MOTORS
- POWER SUPPLY & ELECTRICAL ACCESSORY





FULLING & CEIEC

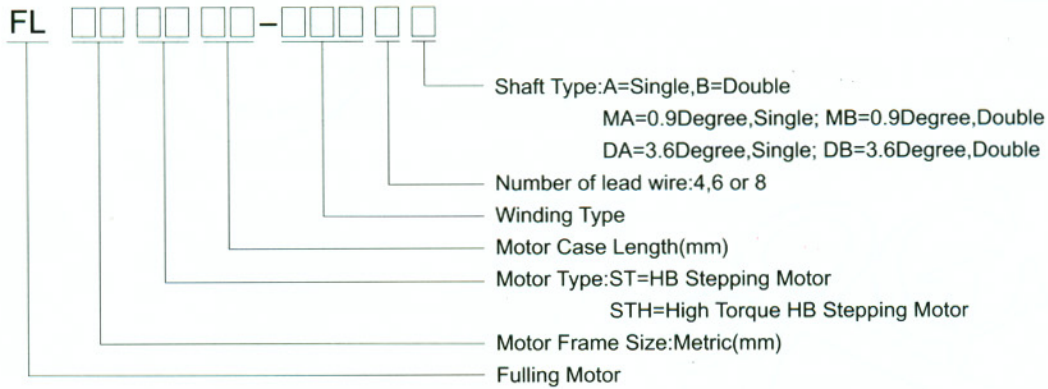
- F&G -- ADVANCED QUALITY MANAGEMENT SYSTEM -- ISO9001:2000**
(EVALUATED BY SGS UNITED KINGDOM LTD. IN JULY, 2002)
- F&G -- MANUFACTURER AND EXPORTER IN CHANGZHOU, CHINA.**
(SPECIALIZED IN ELECTRONICS & TELECOM & NETWORKS.)
- F&G -- FOUNDED IN 1985 AS A LEADING ELECTRONIC EXPORTER.**
(ADVANCED EXPERIENCES IN ELECTRONICS AREA)
- F&G -- HOLDING A TRADING BRANCH IN HONG KONG.**
(FULLING ELECTRONIC (H.K.) LIMITED.)
- F&G -- HOLDING AN INDUSTRIAL BRANCH IN CHANGZHOU.**
(CHANGZHOU FULLING ELECTRONIC CO., LTD.)
- F&G -- SHAREHOLDER OF QUALITY FACTORY**
(MOTOR, DIODE, ACOUSTIC COMPONENTS, ETC.)
- F&G -- ANNUAL SALES IN 2002 -- OVER 25 MILLION U.S.DOLLARS**
(100% PRODUCTS EXPORT TO OVERSEAS MARKETS.)

CONTENT

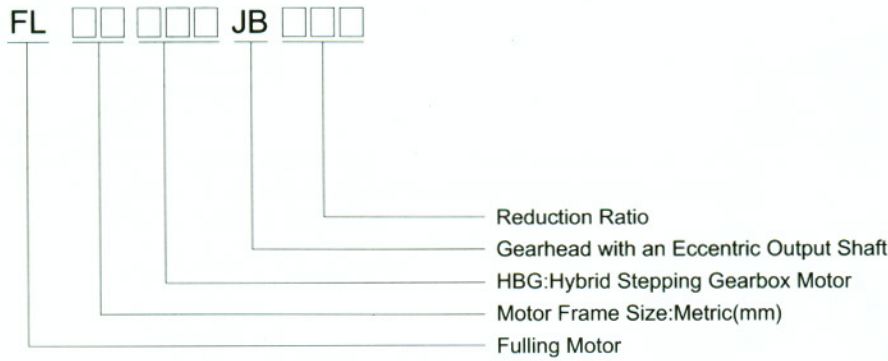
SORTS	PAGE
HB STEPPING MOTOR & HB STEPPING GEARMOTOR	E-001 ~ E-016
PM STEPPING MOTOR & PM STEPPING GEARMOTOR	E-017 ~ E-022
BRUSHLESS DC MOTOR	E-023 ~ E-026
CORELESS DC MOTOR & CORELESS DC GEARMOTOR	E-027 ~ E-031
SERVO BRUSH DC MOTOR	E-032 ~ E-033
PM DC MOTOR	E-034 ~ E-036
AC/DC ADAPTER	F-001 ~ F-005
VOLTAGE REGULATOR & TRANSFORMER	F-006 ~ F-009
VOLTAGE CONVERTER	F-010 ~ F-011
PCB MOUNTABLE AC-DC POWER SUPPLY	F-012 ~ F-012
POWER SUPPLY	F-012 ~ F-013
FILTER	F-014 ~ F-014
BATTERY CHARGER & BATTERY	F-015 ~ F-016
STORAGE BATTERY	F-017 ~ F-018
ADAPTER	F-019 ~ F-022
POWER PLUG	F-023 ~ F-023
ELECTRIC CABLE	F-023 ~ F-024
SOCKET	F-025 ~ F-033
EXTENSION CORD	F-033 ~ F-034
TERMINAL BLOCK	F-035 ~ F-035
FUSE & FUSE HOLDER	F-036 ~ F-040
BATTERY BUTTON	F-041 ~ F-041
ALLIGATOR CLIP	F-042 ~ F-043
PANEL SWITCH & PANEL SOCKET	F-044 ~ F-059
ADAPTER & LAMP SOCKET	F-051 ~ F-055
RELAY	F-060 ~ F-062
BREAKER	F-063 ~ F-064
CONTACTORS	F-065 ~ F-066
THERMAL OVERLOAD RELAYS	F-067 ~ F-068
THERMOSTAT	F-069 ~ F-070

HB Stepping Motor and HB Stepping Gear Motor

Product Number Code for Hybrid Stepping Motor



Product Number Code for Hybrid Stepping Gear Motor



1.8° Size 28mm High Torque Hybrid Stepping Motor

General Specification for High Torque Hybrid Stepping Motor

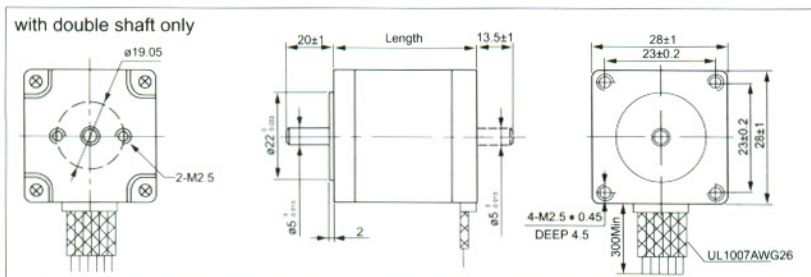
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max.(450 g-load)
Shaft Axial Play	0.08 Max.(450 g-load)
Max. radial force	28N (20mm from the flange)
Max. axial force	10N
Rotation	CW(See from Front Flange)



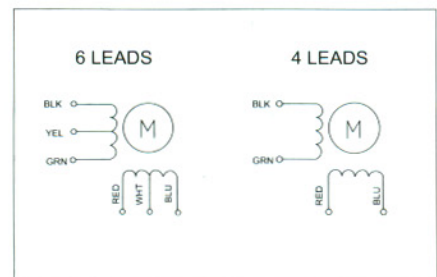
Size 28mm High Torque Hybrid Stepping Motor Specification

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Length
Single Shaft	Double Shaft	V	A	Ω	mH	g.cm		kg.cm ²	kg	mm
FL28STH32-0956A	FL28STH32-0956B	2.66	0.95	2.8	1	430	6	9x10 ⁻⁷	0.11	31.5
FL28STH32-0674A	FL28STH32-0674B	3.8	0.67	5.6	4.2	600	4	9x10 ⁻⁷	0.11	31.5
FL28STH45-0956A	FL28STH45-0956B	3.4	0.95	3.4	1.2	750	6	12x10 ⁻⁷	0.14	44.5
FL28STH45-0674A	FL28STH45-0674B	6.8	0.67	6.8	4.9	950	4	12x10 ⁻⁷	0.14	44.5
FL28STH51-0956A	FL28STH51-0956B	4.4	0.95	4.6	1.4	900	6	18x10 ⁻⁷	0.2	50.5
FL28STH51-0674A	FL28STH51-0674B	6.2	0.67	9.2	5.7	1200	4	18x10 ⁻⁷	0.2	50.5

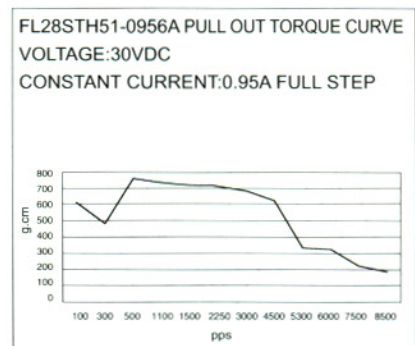
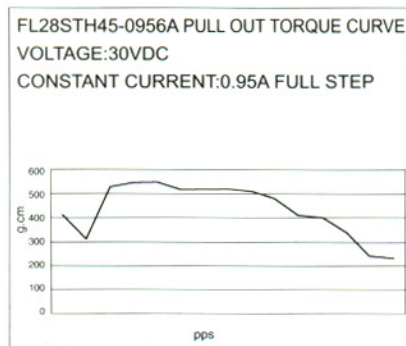
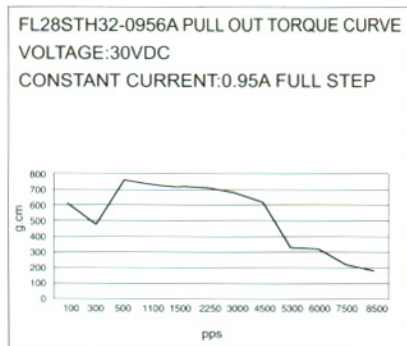
Dimension



Wiring Diagram



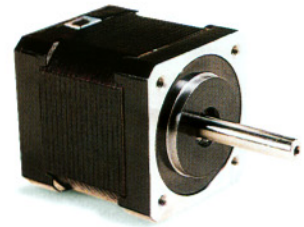
Pull out torque



1.8° Size 35mm Hybrid Stepping Motor

General Specification for Hybrid Stepping Motor

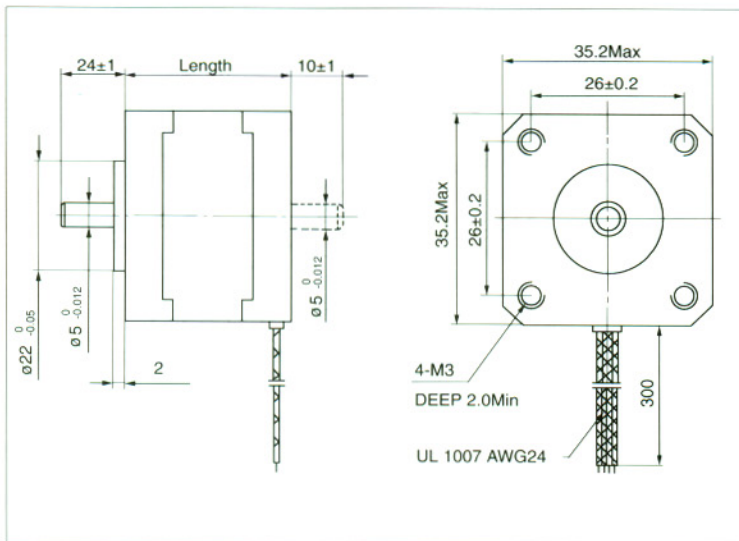
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max.(450 g-load)
Shaft Axial Play	0.08 Max.(450 g-load)
Max. radial force	28N (20mm from the flange)
Max. axial force	10N
Rotation	CW(See from Front Flange)



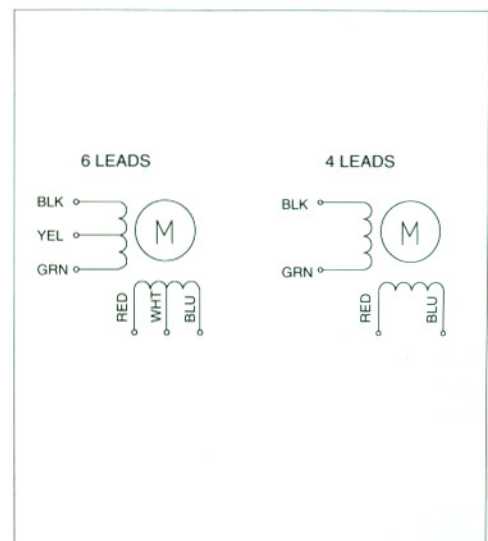
Size 35mm Hybrid Stepping Motor Specification

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	g-cm		g-cm ²	kg	g-cm	mm
FL35ST22-0804A	FL35ST22-0804B	3.2	0.8	4	2.3	500	4	8	0.10	60	22
FL35ST28-0504A	FL35ST28-0504B	10	0.5	20		1000	4	10	0.14	80	28
FL35ST28-0406A	FL35ST28-0406B	11.2	0.4	28		500	6	10	0.14	80	28
FL35ST36-0704A	FL35ST36-0704B	1.4	0.7	2	2.9	920	4	14	0.18	100	36
FL35ST36-1004A	FL35ST36-1004B	2.7	1.0	2.7	4.3	1400	4	14	0.18	100	36

Dimension



Wiring Diagram



1.8° Size 39mm Hybrid Stepping Motor

General Specification for Hybrid Stepping Motor

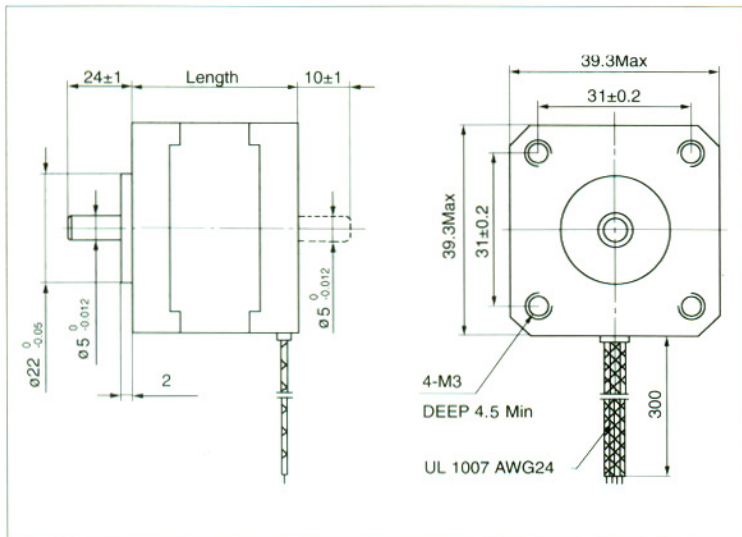
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Max. radial force	28N (20mm from the flange)
Max. axial force	10N
Rotation	CW(See from Front Flange)



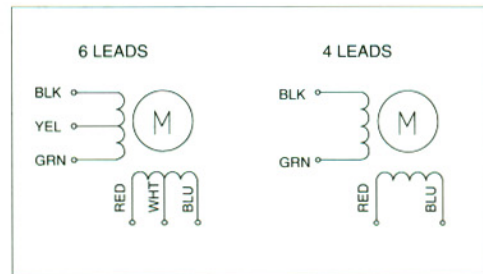
Size 39mm Hybrid Stepping Motor Specifications

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Rotor Weight	Detent Torque	Detent Length
Single Shaft	Double Shaft	V	A	Ω	mH	g.cm		g.cm ²	kg	g.cm	mm
FL39ST20-0404A	FL39ST20-0404B	2.64	0.4	6.6	7.5	650	4	11	0.12	50	20
FL39ST20-0506A	FL39ST20-0506B	6.5	0.5	13	7.5	800	6	11	0.12	50	20
FL39ST34-0654A	FL39ST34-0654B	4.55	0.65	7.0	9.3	1800	4	20	0.18	120	34
FL39ST34-0404A	FL39ST34-0404B	12	0.4	30	32	2100	4	20	0.18	120	34
FL39ST34-0604A	FL39ST34-0604B	9	0.6	15	16	2200	4	20	0.18	120	34
FL39ST34-0306A	FL39ST34-0306B	12	0.3	40	20	1300	6	20	0.18	120	34
FL39ST34-0166A	FL39ST34-0166B	12	0.16	75	50	1100	6	20	0.18	120	38
FL39ST38-0504A	FL39ST38-0504B	12	0.5	24	45	2900	4	24	0.2	180	38
FL39ST38-0806A	FL39ST38-0806B	6	0.8	7.5	6	2000	6	24	0.2	180	38
FL39ST44-0304A	FL39ST44-0304B	12	0.3	40	100	2800	4	40	0.25	250	44

Dimension



Wiring Diagram



0.9° Size 42mm High Torque Hybrid Stepping Motor

General Specification for High Torque Hybrid Stepping Motor

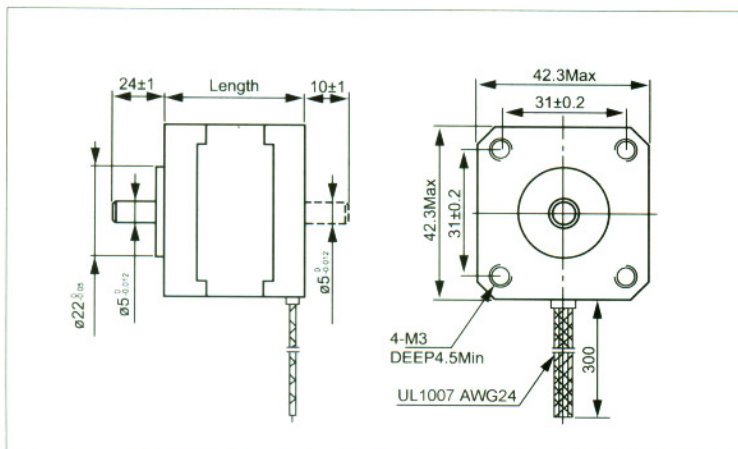
Item	Specifications
Step Angle	0.9°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Max. radial force	28N (20mm from the flange)
Max. axial force	10N
Rotation	CW(See from Front Flange)



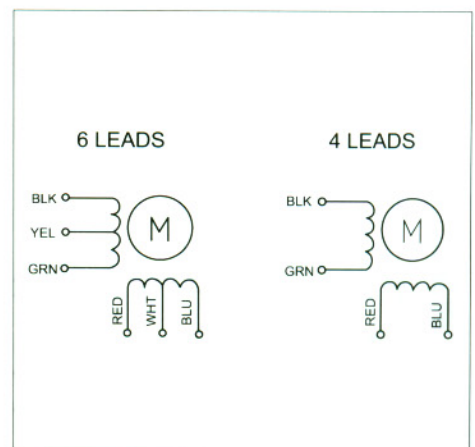
Size 42mm High Torque Hybrid Stepping Motor Specifications

Model No.		Rated	Current	Resistance	Inductance	Holding	# of	Rotor	Detent			Operating
		Voltage	/Phase	/Phase	/Phase	Torque	Leads	Inertia	Weight	Torque	Curve	Length
		V	A	Ω	mH	kg-cm		g-cm ²	kg	g-cm		mm
Single Shaft	Double Shaft											
FL42STH33-0956MA	FL42STH33-0956MB	4	0.95	4.2	4	1.58	6	35	0.22	200	a	33
FL42STH33-0606MA	FL42STH33-0606MB	6	0.6	10	9.5	1.58	6	35	0.22	200	b	33
FL42STH33-0316MA	FL42STH33-0316MB	12	0.31	38.5	33	1.58	6	35	0.22	200	c	33
FL42STH33-1334MA	FL42STH33-1334MB	2.8	1.33	2.1	4.2	2.2	4	35	0.22	200	d	33
FL42STH38-1206MA	FL42STH38-1206MB	4	1.2	3.3	3.2	2.59	6	54	0.28	220	e	38
FL42STH38-0806MA	FL42STH38-0806MB	6	0.8	7.5	6.7	2.59	6	54	0.28	220	f	38
FL42STH38-0404MA	FL42STH38-0404MB	12	0.4	30	30	2.59	6	54	0.28	220	g	38
FL42STH38-1684MA	FL42STH38-1684MB	2.8	1.68	1.65	3.2	3.6	4	54	0.28	220	h	38
FL42STH47-1206MA	FL42STH47-1206MB	4	1.2	3.3	4	3.17	6	68	0.35	250	i	47
FL42STH47-0806MA	FL42STH47-0806MB	6	0.8	7.5		3.17	6	68	0.35	250	j	47
FL42STH47-0406MA	FL42STH47-0406MB	12	0.4	30	38	3.17	6	68	0.35	250	k	47
FL42STH47-1684MA	FL42STH47-1684MB	2.8	1.68	1.65	4.1	4.4	4	68	0.35	250	l	47

Dimension



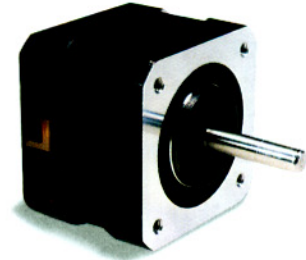
Wiring Diagram



1.8° Size 42mm High Torque Hybrid Stepping Motor

General Specification for High Torque Hybrid Stepping Motor

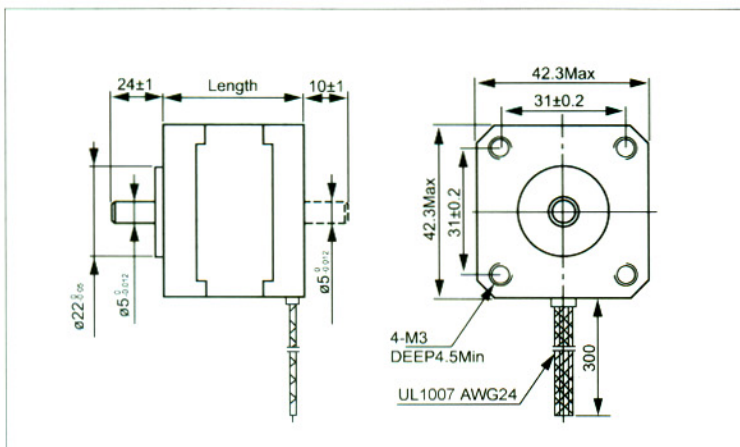
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Max. radial force	28N (20mm from the flange)
Max. axial force	10N
Rotation	CW(See from Front Flange)



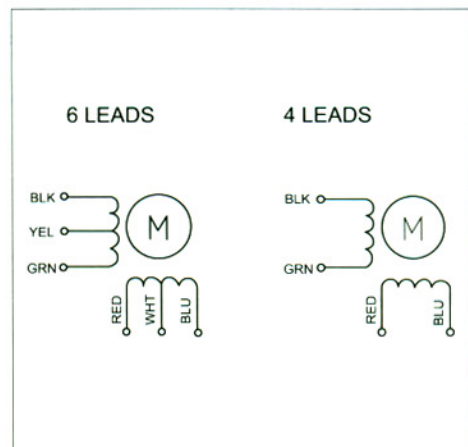
Size 42mm High Torque Hybrid Stepping Motor Specifications

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	kg-cm		g-cm ²	kg	g-cm	mm
FL42STH25-0404A	FL42STH25-0404B	9.6	0.4	24	36	1.7	4	20	0.15	200	25
FL42STH33-0404A	FL42STH34-0404B	12	0.4	30	37	2.5	4	38	0.2	120	34
FL42STH33-0956A	FL42STH34-0956B	3.99	0.95	4.2	2.8	1.6	6	38	0.2	120	34
FL42STH33-0474A	FL42STH34-0474B	6.392	0.47	13.6	9.8	1.6	6	38	0.2	120	34
FL42STH38-0404A	FL42STH38-0404B	12	0.4	30	24	2.5	6	57	0.24	150	40
FL42STH38-0804A	FL42STH38-0804B	8	0.8	10	17	3.2	4	57	0.24	150	40
FL42STH38-1206A	FL42STH38-1206B	3.96	1.2	3.3	2.4	2.4	6	57	0.24	150	40
FL42STH38-0806A	FL42STH38-0806B	6.0	0.8	7.5	7.0	2.8	6	57	0.24	150	40
FL42STH47-1006A	FL42STH48-1006B	4.6	1.0	4.6	4.0	3.4	6	82	0.34	200	48
FL42STH47-0406A	FL42STH48-0406B	12	0.4	30	28	3.8	6	82	0.34	200	48
FL42STH47-1204A	FL42STH48-1204B	3.84	1.2	3.2	6.0	4.5	4	82	0.34	200	48
FL42STH47-0854A	FL42STH48-0854B	5.61	0.85	6.6	11	4.5	4	82	0.34	200	48

Dimension



Wiring Diagram





1.8° Size 42mm High Torque Hybrid Stepping Motor With Thread Shaft

General Specification for High Torque Hybrid Stepping Motor with Thread

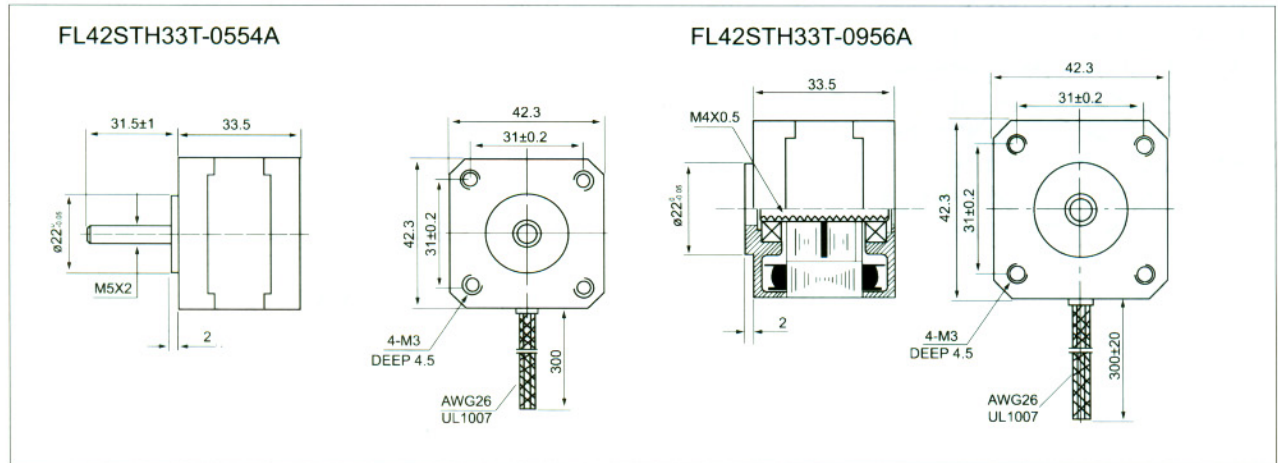
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Max. radial force	28N (20mm from the flange)
Max. axial force	10N
Rotation	CW(See from Front Flange)



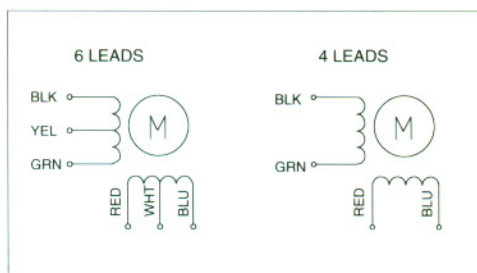
Size 42mm High Torque Hybrid Stepping Motor Specifications with Thread

Model No.	Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	V	A	Ω	mH	g·cm		g·cm ²	kg	g·cm	mm
FL42STH33T-0554A	1.8	0.55	3.2	4.5	900	4	35	0.2	120	34
FL42STH33S-0956A	4.0	0.95	4.2	2.5	1580	6	35	0.2	120	34

Dimension



Wiring Diagram



Fax:+86-519-6607378, 6606496

Tel:+86-519-6600389

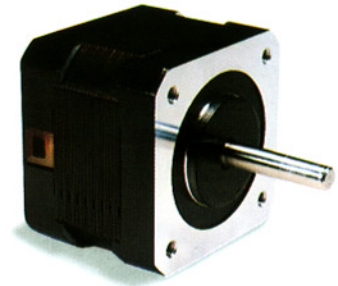
Http://www.ceiec.cz

E-mail:ceiec@public.cz.js.cn

3.6° Size 42mm Hybrid Stepping Motor

General Specification for High Torque Hybrid Stepping Motor

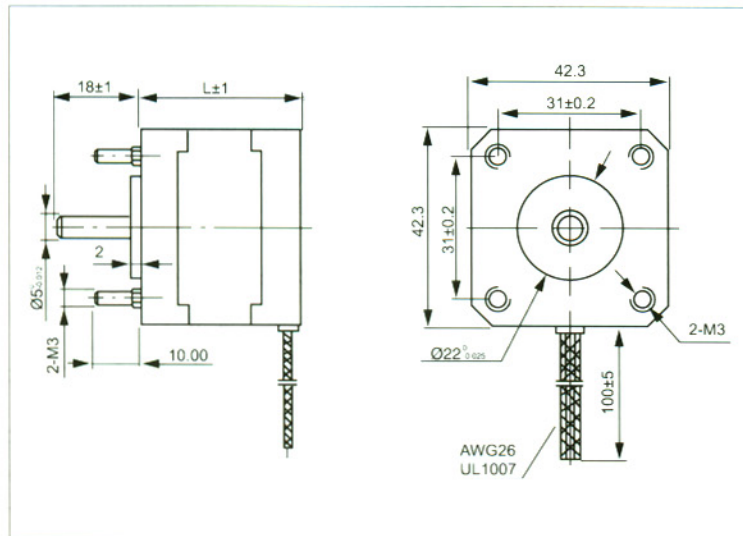
Item	Specifications
Step Angle	3.6°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Max. radial force	28N (20mm from the flange)
Max. axial force	10N
Rotation	CW(See from Front Flange)



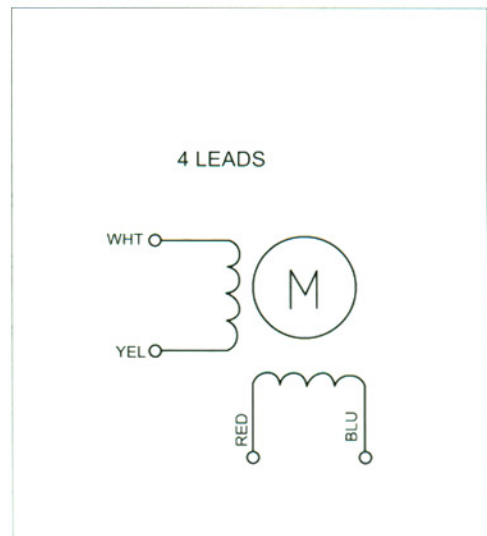
Size 42mm Hybrid Stepping Motor Specifications

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	g·cm		g·cm ²	kg	g·m	mm
FL42ST34-0954DA	FL42ST34-0954DB	9.31	0.095	98	200	530	4	20	0.20	150	34
FL42ST38-0954DA	FL42ST38-0954DB	9.98	0.095	105	330	700	4	23	0.23	150	38

Dimension



Wiring Diagram



1.8° Size 57mm Hybrid Stepping Motor

General Specification for Hybrid Stepping Motor

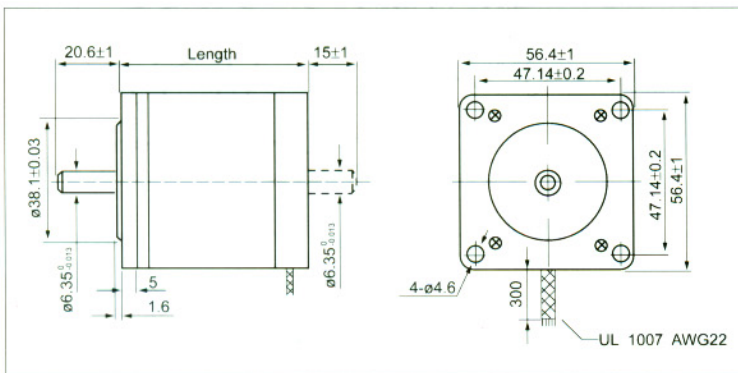
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Max. radial force	75N (20mm from the flange)
Max. axial force	15N
Rotation	CW(See from Front Flange)



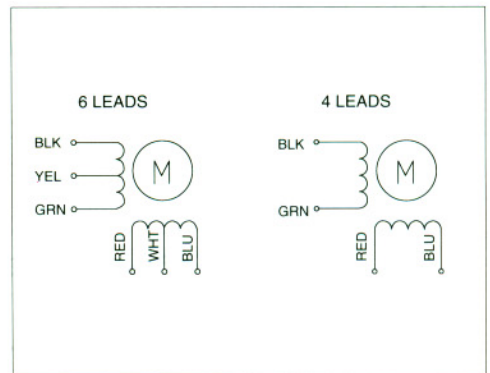
Size 57mm Hybrid Stepping Motor Specifications

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	kg-cm		g-cm ²	kg	kg-cm	mm
FL57ST41-1106A	FL57ST41-1106B	4	1.1	3.6	3.6	2.88	6	57	0.54	0.18	41
FL57ST41-0406A	FL57ST41-0406B	12	0.4	30	30	2.88	6	57	0.54	0.18	41
FL57ST41-1564A	FL57ST41-1564B	2.8	1.56	1.8	3.6	4.0	4	57	0.54	0.18	41
FL57ST51-0856A	FL57ST51-0856B	6	0.85	7.1	9	4.97	6	110	0.60	0.35	51
FL57ST51-0426A	FL57ST51-0426B	12	0.42	29	36	4.97	6	110	0.60	0.35	51
FL57ST51-2804A	FL57ST51-2804B	1.8	2.8	0.65	1.6	6.9	4	110	0.60	0.35	51
FL57ST56-1206A	FL57ST56-1206B	6	1.2	5	8	6.05	6	135	0.65	0.42	56
FL57ST56-0606A	FL57ST56-0606B	12	0.6	20	32	6.05	6	135	0.65	0.42	56
FL57ST56-2554A	FL57ST56-2554B	2.8	2.55	1.1	3.6	8.4	4	135	0.65	0.42	56
FL57ST76-1506A	FL57ST76-1506B	5.4	1.5	3.6	6	9	6	200	0.95	0.72	76
FL57ST76-0686A	FL57ST76-0686B	12	0.68	17.7	30	9	6	200	0.95	0.72	76
FL57ST76-3304A	FL57ST76-3304B	2.7	3.3	0.85	3	12.5	4	200	0.95	0.72	76

Dimension



Wiring Diagram



0.9° Size 57mm High Torque Hybrid Stepping Motor

General Specification for High Torque Hybrid Stepping Motor

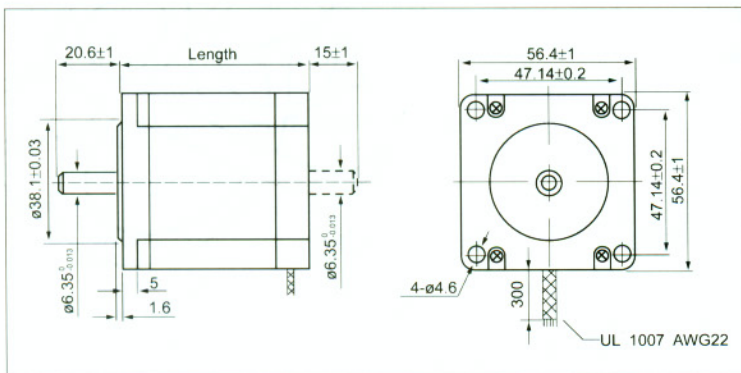
Item	Specifications
Step Angle	0.9°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Max. radial force	75N (20mm from the flange)
Max. axial force	15N
Rotation	CW(See from Front Flange)



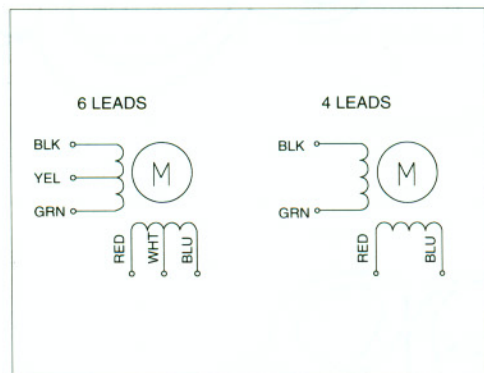
Size 57mm High Torque Hybrid Stepping Motor Specifications

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Rotor Weight	Detent Torque	Operating Curve	Length
Single Shaft	Double Shaft	V	A	Ω	mH	kg-cm		g-cm ²	kg	kg-cm		mm
FL57STH39-1006MA	FL57STH39-1006MB	5.7	1	5.7	5.4	3.9	6	120	0.45	0.21	a	39
FL57STH39-2006MA	FL57STH39-2006MB	2.8	2	1.4	1.4	3.9	6	120	0.45	0.21	b	39
FL57STH39-3006MA	FL57STH39-3006MB	1.9	3	0.63	0.6	3.9	6	120	0.45	0.21	c	39
FL57STH39-2804MA	FL57STH39-2804MB	2	2.8	0.7	1.4	5.5	4	120	0.45	0.21	d	39
FL57STH56-1006MA	FL57STH56-1006MB	7.4	1	7.4	10	9.0	6	300	0.7	0.4	e	56
FL57STH56-2006MA	FL57STH56-2006MB	3.6	2	1.8	2.5	9.0	6	300	0.7	0.4	f	56
FL57STH56-3006MA	FL57STH56-3006MB	2.3	3	0.75	1.1	9.0	6	300	0.7	0.4	g	56
FL57STH56-2804MA	FL57STH56-2804MB	2.5	2.8	0.9	2.5	12.6	4	300	0.7	0.4	h	56
FL57STH76-1006MA	FL57STH76-1006MB	8.6	1	8.6	14	13.5	6	480	1	0.68	i	76
FL57STH76-2006MA	FL57STH76-2006MB	4.5	2	2.25	3.6	13.5	6	480	1	0.68	j	76
FL57STH76-3006MA	FL57STH76-3006MB	3	3	1	1.6	13.5	6	480	1	0.68	k	76
FL57STH76-2804MA	FL57STH76-2804MB	3.2	2.8	1.13	3.6	18.9	4	480	1	0.68	l	76

Dimension



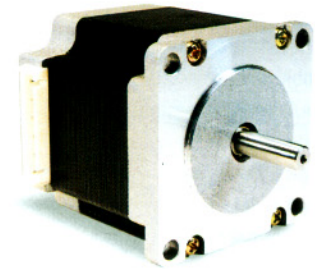
Wiring Diagram



1.8° Size 57mm High Torque Hybrid Stepping Motor

General Specification for High Torque Hybrid Stepping Motor

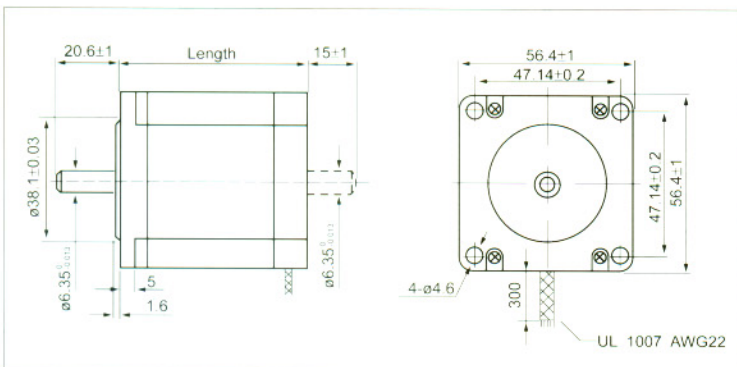
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)
Max. radial force	75N (20mm from the flange)
Max. axial force	15N
Rotation	CW(See from Front Flange)



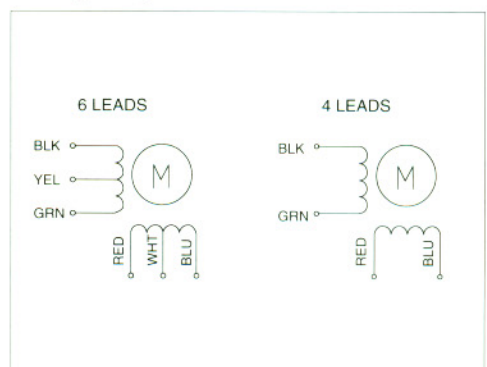
Size 57mm High Torque Hybrid Stepping Motor Specifications

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Detent Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	kg-cm		g-cm ²	kg	kg-cm	mm
FL57STH41-1006A	FL57STH41-1006B	5.7	1	5.7	5.4	3.9	6	120	0.45	0.21	41
FL57STH41-2006A	FL57STH41-2006B	2.8	2	1.4	1.4	3.9	6	120	0.45	0.21	41
FL57STH41-3006A	FL57STH41-3006B	1.9	3	0.63	0.6	3.9	6	120	0.45	0.21	41
FL57STH41-2804A	FL57STH41-2804B	2	2.8	0.7	1.4	5.5	4	120	0.45	0.21	41
FL57STH51-1006A	FL57STH51-1006B	6.6	1	6.6	8.2	7.2	6	275	0.65	0.36	51
FL57STH51-2006A	FL57STH51-2006B	3.3	2	1.65	2.2	7.2	6	275	0.65	0.36	51
FL57STH51-3006A	FL57STH51-3006B	2.2	3	0.74	0.9	7.2	6	275	0.65	0.36	51
FL57STH51-2804A	FL57STH51-2804B	2.3	2.8	0.83	2.2	10.1	4	275	0.65	0.36	51
FL57STH56-1006A	FL57STH56-1006B	7.4	1	7.4	10	9.0	6	300	0.7	0.4	56
FL57STH56-2006A	FL57STH56-2006B	3.6	2	1.8	2.5	9.0	6	300	0.7	0.4	56
FL57STH56-3006A	FL57STH56-3006B	2.3	3	0.75	1.1	9.0	6	300	0.7	0.4	56
FL57STH56-2804A	FL57STH56-2804B	2.5	2.8	0.9	2.5	12.6	4	300	0.7	0.4	56
FL57STH76-1006A	FL57STH76-1006B	8.6	1	8.6	14	13.5	6	480	1	0.68	76
FL57STH76-2006A	FL57STH76-2006B	4.5	2	2.25	3.6	13.5	6	480	1	0.68	76
FL57STH76-3006A	FL57STH76-3006B	3	3	1	1.6	13.5	6	480	1	0.68	76
FL57STH76-2804A	FL57STH76-2804B	3.2	2.8	1.13	3.6	18.9	4	480	1	0.68	76

Dimension



Wiring Diagram



1.8° Size 86mm Hybrid Stepping Motor

General Specification for Hybrid Stepping Motor

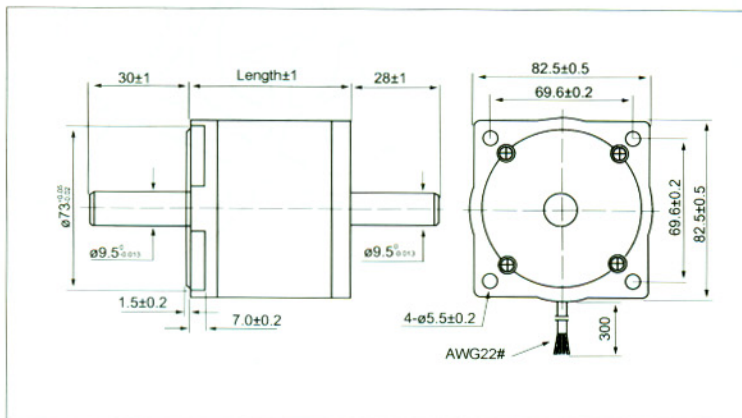
Item	Specification
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max.(450 g-load)
Shaft Axial Play	0.08 Max.(450 g-load)
Max. radial force	220N (20mm from the flange)
Max. axial force	60N
Rotation	CW(See from Front Flange)



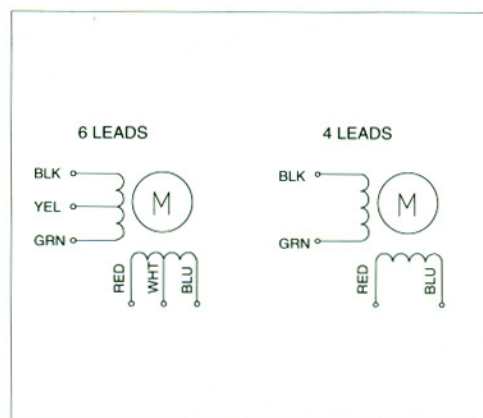
Size 86mm High Torque Hybrid Stepping Motor Specifications

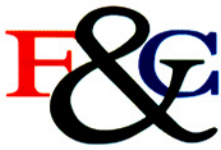
Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	kg-cm		g-cm ²	kg	kg-cm	mm
FL86ST62-4506A	FL86ST62-4506B	1.8	4.5	0.4	1.4	13	6	560	1.5	0.8	62
FL86ST62-1256A	FL86ST62-1256B	5.5	1.25	4.4	14	13	6	560	1.5	0.8	62
FL86ST62-1406A	FL86ST62-1406B	0.7	14	20	60	13	6	560	1.5	0.8	62
FL86ST62-5904A	FL86ST62-5904B	1.33	5.9	0.23	1.5	18	4	560	1.5	0.8	62
FL86ST94-4006A	FL86ST94-4006B	3.0	4.0	0.75	4.5	26	6	1100	2.6	2.4	94
FL86ST94-2006A	FL86ST94-2006B	6.0	2.0	3.0	18	26	6	1100	2.6	2.4	94
FL86ST94-1006A	FL86ST94-1006B	12	1	12	72	26	6	1100	2.6	2.4	94
FL86ST94-5606A	FL86ST94-5606B	2.1	5.6	0.38	3.9	35	4	1100	2.6	2.4	94
FL86ST134-6706A	FL86ST134-6706B	3.0	6.7	0.45	2	36	6	1800	3.6	3.6	134
FL86ST134-4006A	FL86ST134-4006B	5.0	4.0	1.25	6.6	36	6	1800	3.6	3.6	134
FL86ST134-1806A	FL86ST134-1806B	12	1.8	6.5	41	36	6	1800	3.6	3.6	134
FL86ST134-5606A	FL86ST134-5606B	3.5	5.6	0.63	6.6	50	4	1800	3.6	3.6	134

Dimension



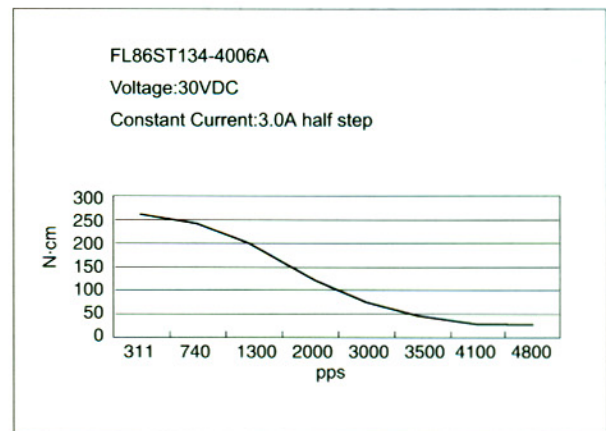
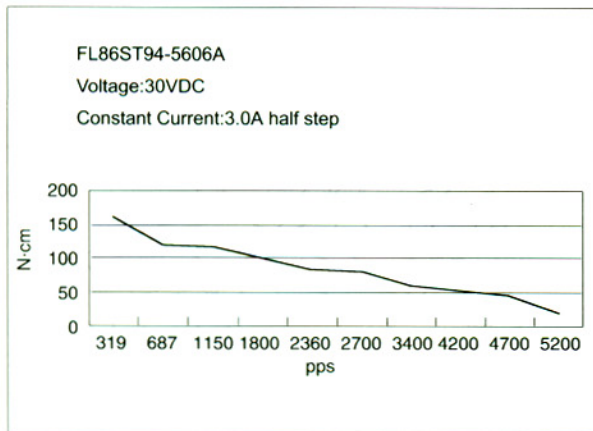
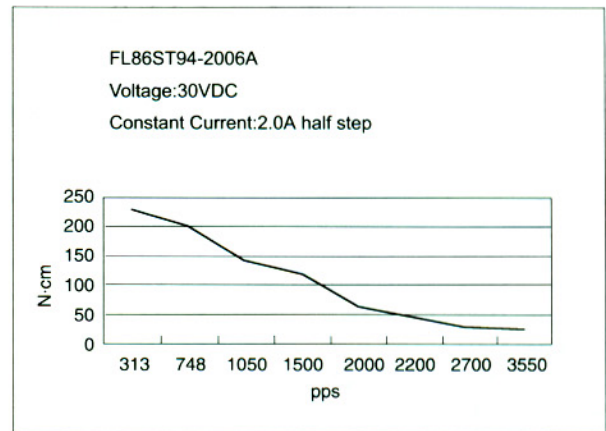
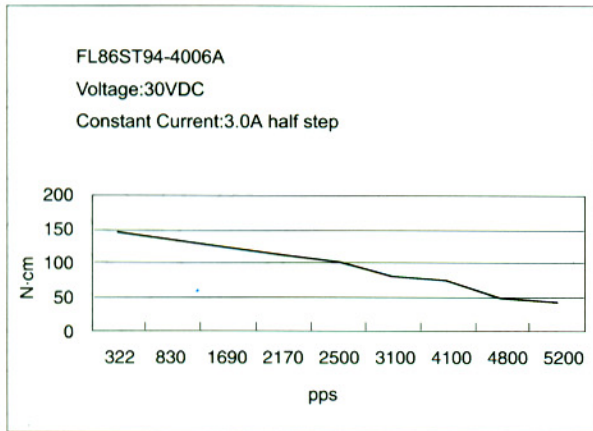
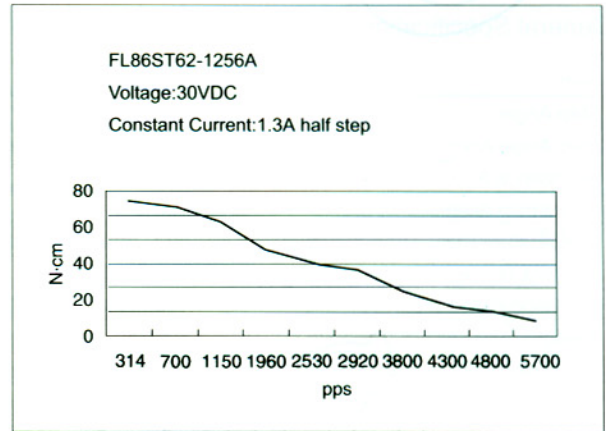
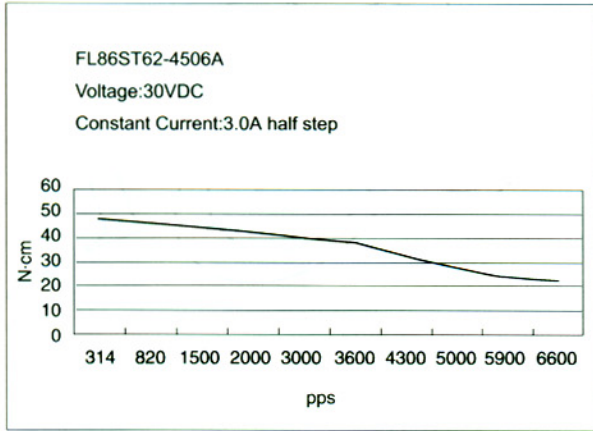
Wiring Diagram





1.8° Size 86mm Hybrid Stepping Motor

Pull out Torque Curve



1.8° Size 86mm High Torque Hybrid Stepping Motor

General Specification for High Torque Hybrid Stepping Motor

Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max.(450 g-load)
Shaft Axial Play	0.08 Max.(450 g-load)
Max. radial force	220N (20mm from the flange)
Max. axial force	60N
Rotation	CW(See from Front Flange)

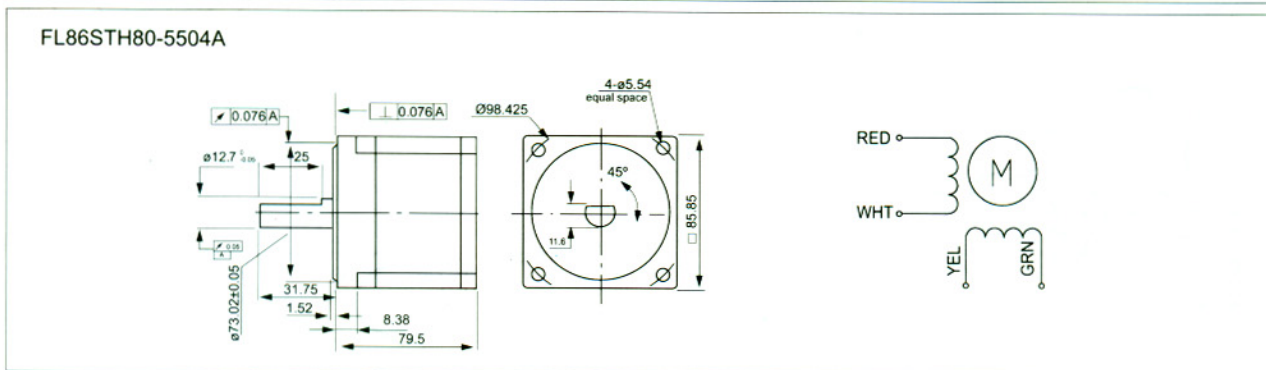
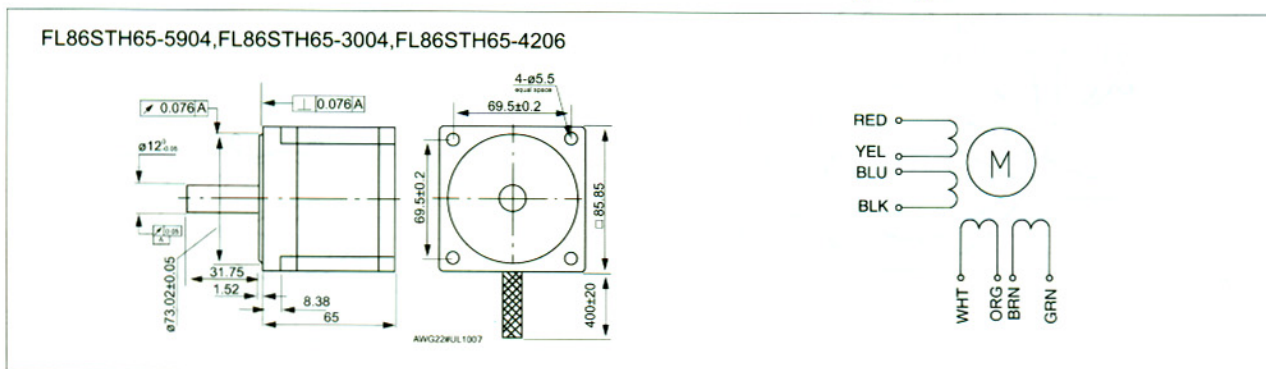


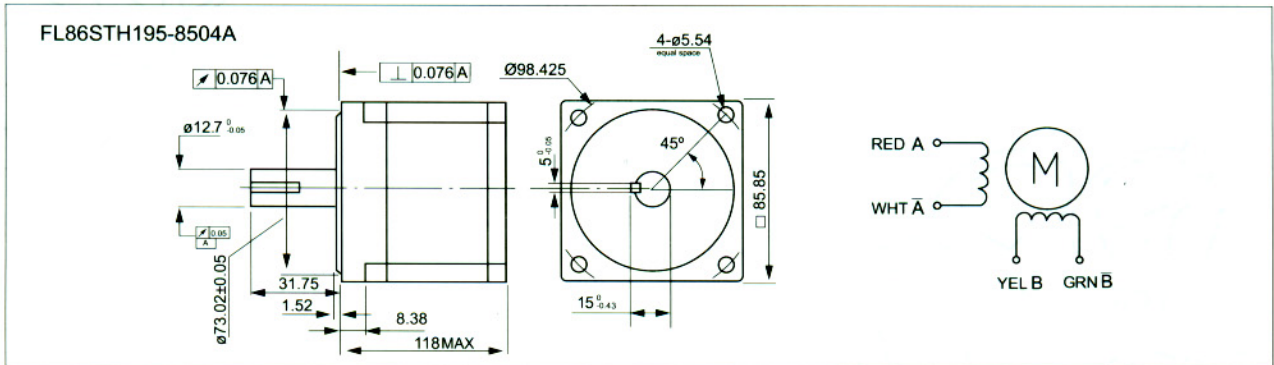
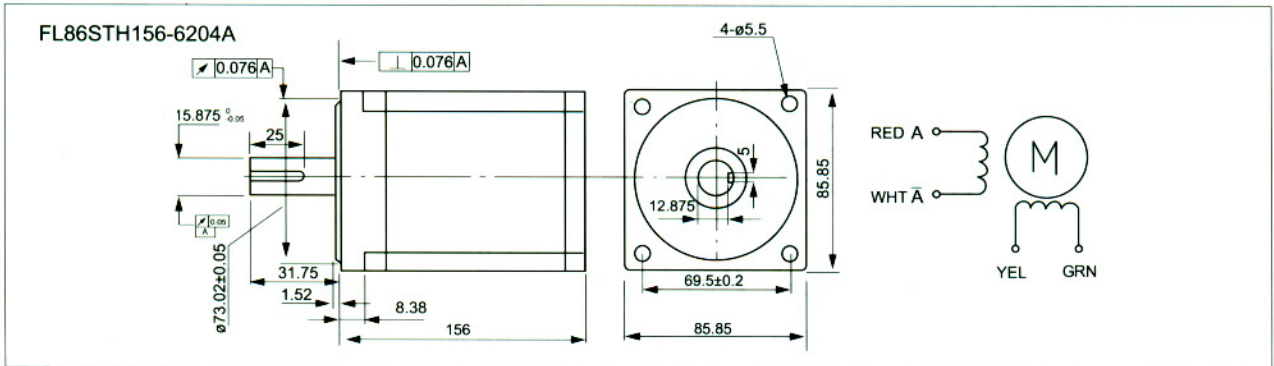
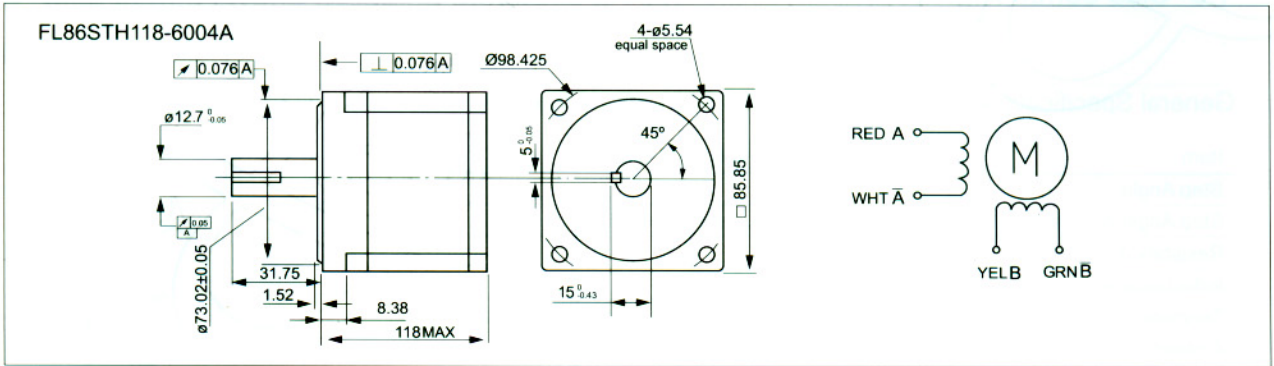
Size 86mm High Torque Hybrid Stepping Motor Specifications

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Detent Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	kg.cm		g.cm ²	kg	kg-cm	mm
FL86STH65-5904A	FL86STH65-5904B	1.652	5.9	0.28	1.7	34	4 parallel	1000	1.7	0.8	65
FL86STH65-3004A	FL86STH65-3004B	4.2	3	1.14	6.8	34	4 series	1000	1.7	0.8	65
FL86STH65-4206A	FL86STH65-4206B	2.394	4.2	0.57	1.7	26	6 unipolar	1000	1.7	0.8	65
FL86STH80-5504A	FL86STH80-5504B	2.3	5.5	0.42	3.5	46	4	1400	2.3	1.2	80
FL86STH118-6004A	FL86STH118-6004B	2.7	6	0.45	5.1	87	4	2700	3.8	2.4	118
FL86STH156-6204A	FL86STH156-6204B	3.5	6.2	0.56	6.4	128	4	4000	5.4	3.6	156
FL86STH195-8504A	FL86STH195-8504B	2.8	8.5	0.33	4.7	153	4	5300	6.9	4	195

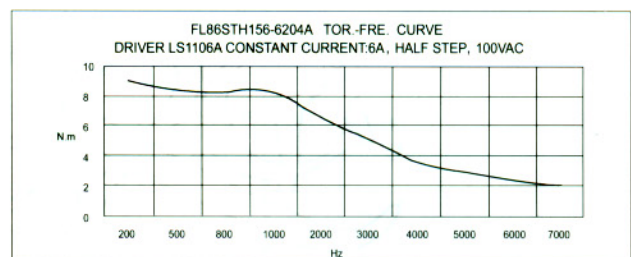
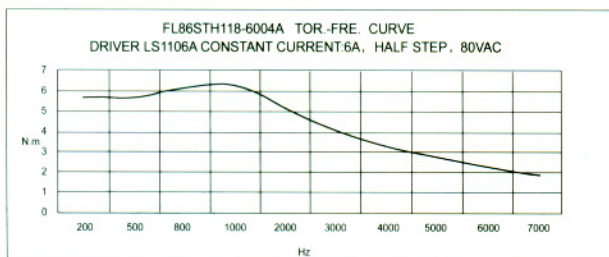
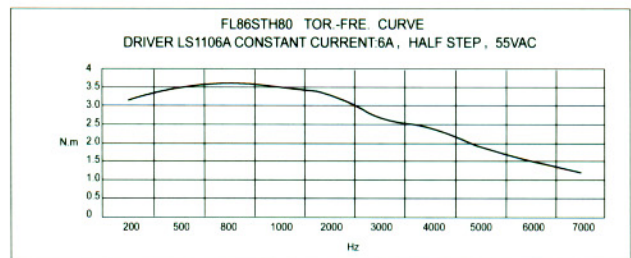
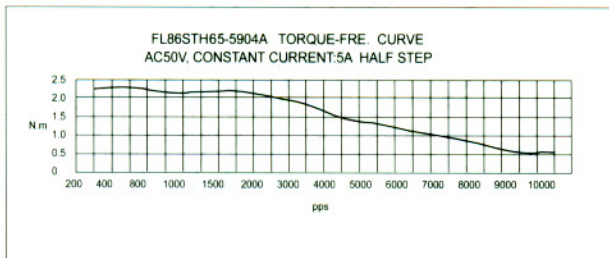
Dimension

Wiring Diagram





Pull out Torque Curve



1.8° and 0.9° or 0.72° and 0.36° Size 110mm Hybrid Stepping Motor

General Specification for Hybrid Stepping Motor

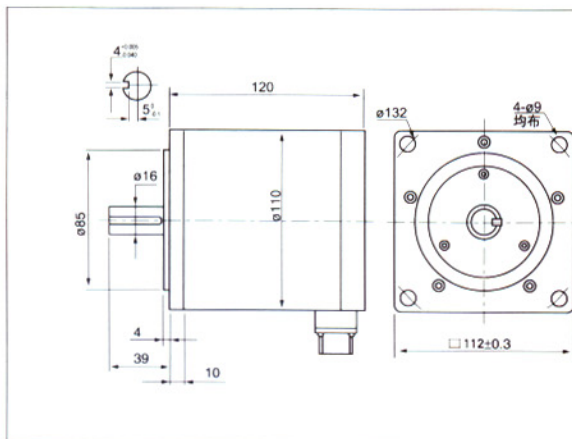
Item	Specifications
Step Angle	1.8° or 0.9°, 0.72° or 0.36°
Step Angle Accuracy	±5%(full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current, 2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min., 500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02 Max.(450 g-load)
Shaft Axial Play	0.08 Max.(450 g-load)
Max. radial force	220N (20mm from the flange)
Max. axial force	60N
Rotation	CW(See from Front Flange)



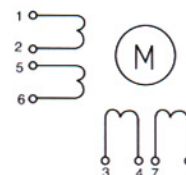
Size 110mm Hybrid Stepping Motor Specifications

Model No.	No. of phase	Step angle degree	Rated Voltage V	Current /Phase A	Resistance /Phase Ω	Inductance /Phase mH	Holding Torque N·m	Rotor Inertia kg·cm ²	Weight kg	Detent Torque N·m	Length mm
FL110ST130-6008A	4	1.8	80-200	6	0.18	2	4.5	3.8	3.8	0.3	130
FL110ST130-6008MA	4	0.9	80-200	6	0.18	2	4.5	3.8	3.8	0.3	130
FL110ST192-6008A	4	1.8	80-200	6	0.22	2.1	7.1	7.5	7.5	0.6	192
FL110ST192-6008MA	4	0.9	80-200	6	0.22	2.1	7.1	7.5	7.5	0.6	192
FL110ST192-50010A	5	0.72	130	5	0.3	1.9	6.8	7.5	7.5	0.6	192
FL110ST192-50010MA	5	0.36	130	5	0.3	1.9	6.8	7.5	7.5	0.6	192
FL110ST192-30010A	5	0.72	130	3	0.5	5.3	6.8	7.5	7.5	0.6	192
FL110ST192-30010MA	5	0.36	130	3	0.5	5.3	6.8	7.5	7.5	0.6	192
FL110ST240-6008A	4	1.8	80-200	6	0.3	3.2	10.3	11.5	11.5	0.9	240
FL110ST240-6008MA	4	0.9	80-200	6	0.3	3.2	10.3	11.5	11.5	0.9	240
FL110ST240-50010A	5	0.72	130	5	0.37	3.4	10.3	11.5	11.5	0.9	240
FL110ST240-50010MA	5	0.36	130	5	0.37	3.4	10.3	11.5	11.5	0.9	240
FL110ST240-30010A	5	0.72	130	3	0.62	9.5	10.3	11.5	11.5	0.9	240
FL110ST240-30010MA	5	0.36	130	3	0.62	9.5	10.3	11.5	11.5	0.9	240

Dimension



Wiring Diagram



PM Stepping Motor & PM Stepping Gearmotor

Product Number Code for PM Stepping Motor



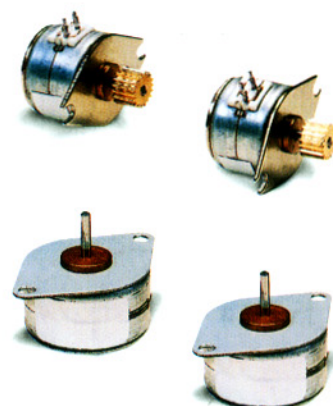
Product Number Code for PM Stepping Gearmotor



PM15/20/25 SERIES

General Specification for PM Stepping Motor

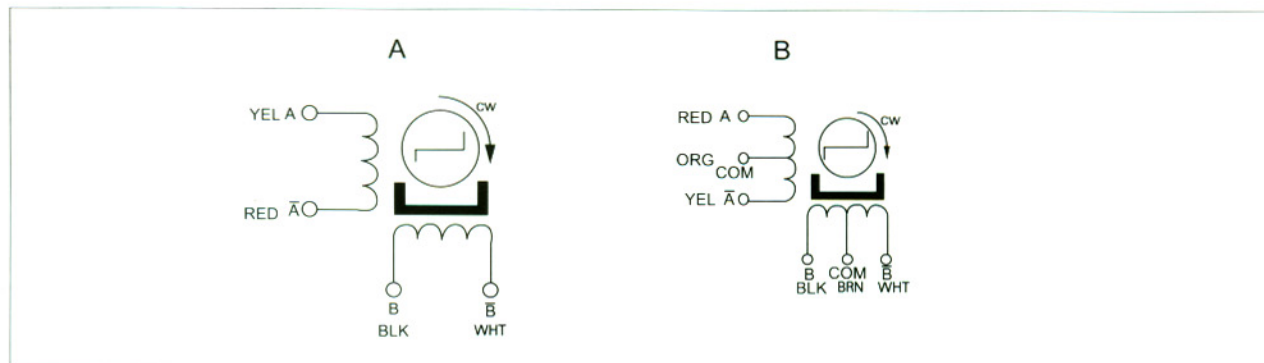
Item	Specifications
Step Angle Accuracy	±8%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.06 Max.(450 g-load)
Shaft Axial Play	0.08 Max.(450 g-load)



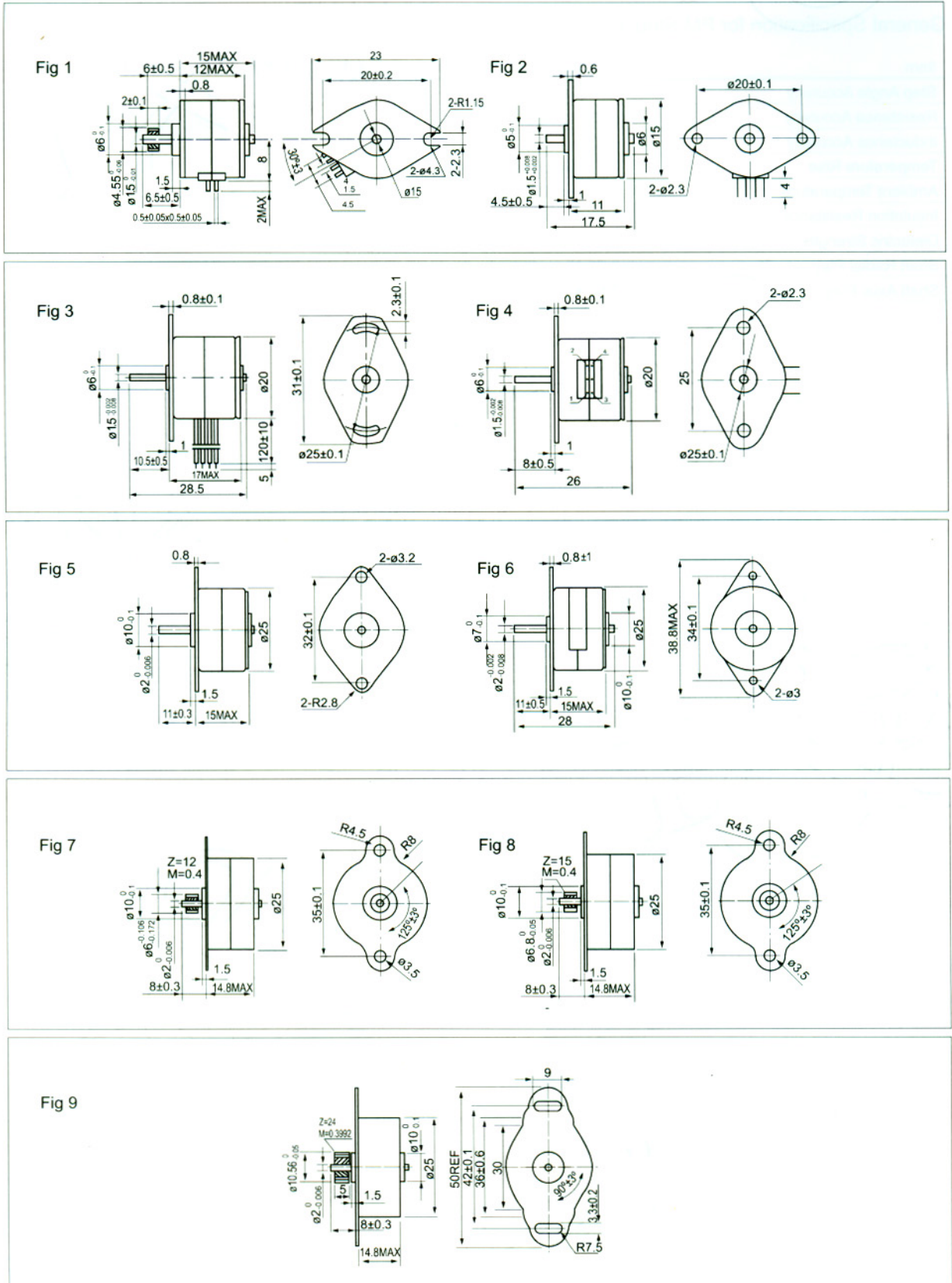
Specifications

Model No.	Step angle degree	No. of phase	Voltage V	Current /Phase A	Resistance /Phase Ω	Inductance /Phase mH	Holding Torque g.cm	Detent Torque g.cm	Rotor Inertia g.cm ²	Wire Leads	Wire Diagram	Dimension
PM1515-01	18	2	5	0.5	10	2.3	27	10	0.3			1
PM1515-02	18	4	12	0.065	190	40	40	10	0.3			2
PM1515-03	18	2	5	0.25	20	5.3	30	10	0.3			2
PM1515-04	18	2	12	0.24	50	9.5	35	10	0.3			2
PM2015-01	18	2	5	0.5	10	3.95	75	30	0.6	UL1061 AWG28	A	3
PM2015-02	18	2	5	0.4	13	4.5	65	30	0.6			4
PM2515A-01	7.5	4	5	0.5	10	2.7	110	45	1	UL1061 AWG28	B	5
PM2515A-02	7.5	4	12	0.24	50	12.5	110	45	1	UL1061 AWG28	B	6
PM2515A-03	7.5	4	20	0.4	50	12.5	155	45	1	UL1095 AWG28	B	7
PM2515A-04	7.5	4	20	0.4	50	12.5	155	45	1	UL1095 AWG28	B	8
PM2515A-05	7.5	4	24	0.4	60	18.2	155	45	1	UL1095 AWG28	B	8
PM2515A-06	7.5	4	24	0.285	85	22.6	120	45	1	UL1095 AWG28	B	9
PM2515B-01	15	4	9	0.45	20	4.2	150	75	1	UL1061 AWG28	B	10
PM2515B-02	15	4	12	0.4	30	6.5	150	75	1	UL1061 AWG28	B	11

Wiring Diagram



Dimension



PM35/42/55 SERIES

General Specification for PM Stepping Motor

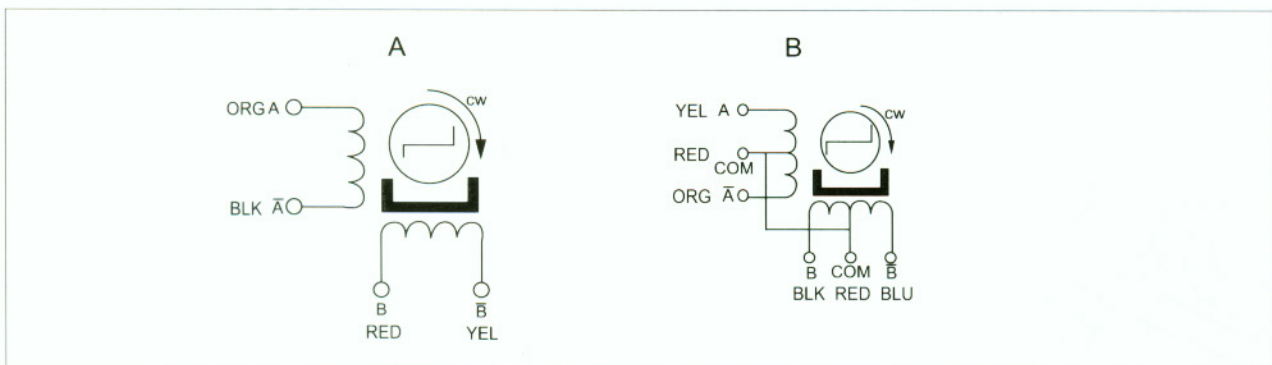
Item	Specifications
Step Angle Accuracy	±8%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.06 Max.(450 g-load)
Shaft Axial Play	0.08 Max.(450 g-load)



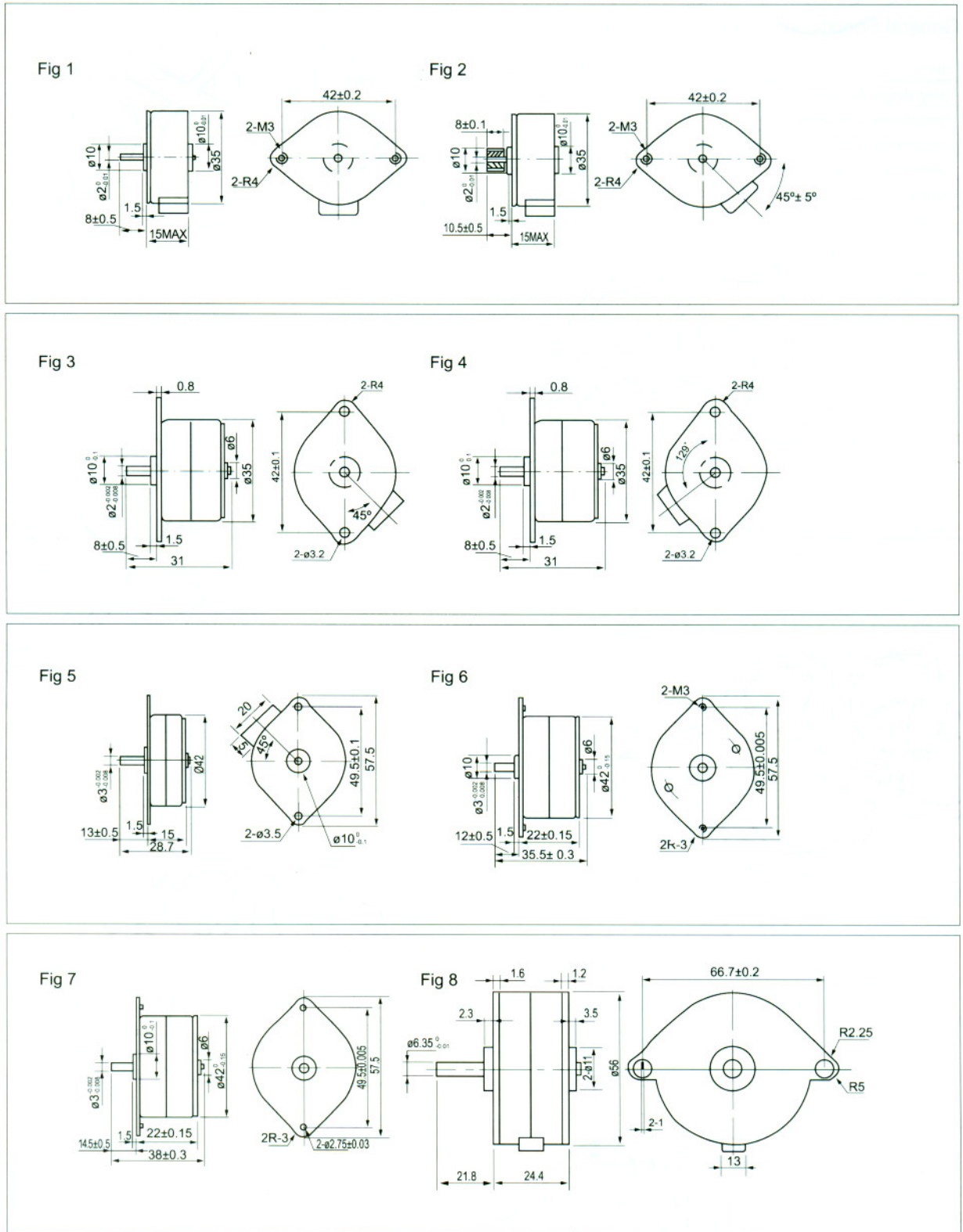
Specifications

Model No.	Step angle degree	No. of phase	Voltage V	Current /Phase A	Resistance /Phase Ω	Inductance /Phase mH	Holding Torque g.cm	Detent Torque g.cm	Rotor Inertia g.cm ²	Leads	Wire Diagram	Dimension
FL35PM15A-01	7.5	2	5	0.71	7	8	250	65	2.5	UL1061 AWG28	A	1
FL35PM15A-02	7.5	2	5	0.42	12	11.5	200	65	2.5	UL1007 AWG26	A	2
FL35PM15A-03	7.5	4	12	0.26	47	22	180	65	2.5	UL1007 AWG26	B	1
FL35PM22A-01	7.5	2	12	0.2	60	77.5	550	120	7.9	UL1007 AWG26	A	3
FL35PM22A-02	7.5	4	5	0.862	5.8	8	550	125	7.9	UL1007 AWG26	B	4
FL35PM22A-03	7.5	4	18	1.3	13.5	10.3	800	120	7.9	UL1007 AWG26	B	4
FL35PM22B-01	15	4	5	0.46	11	8	300	125	7.5	UL1007 AWG26	B	4
FL42PM15-01	7.5	4	5	0.58	8.6	6	400	100	9.6	UL1007 AWG26	A	5
FL42PM15-02	7.5	4	12	0.3	40	26.2	500	100	9.6	UL1007 AWG26	B	5
FL42PM15-03	7.5	4	24	0.2	120	80.6	450	100	9.6	UL1007 AWG26	B	5
FL42PM22-01	7.5	4	5	0.81	6.2	5.7	650	140	11.4	UL1007 AWG26	A	6
FL42PM22-02	7.5	4	19	1.27	15	49.8	1100	210	11.4	UL1007 AWG26	B	7
FL55PM25-01	7.5	4	12	0.4	30	38.5	1600	250	30	UL1007 AWG26	A	8

Wiring Diagram



Dimension



PMG25/35/42 SERIES

General Specification for PM stepping Gearmotor

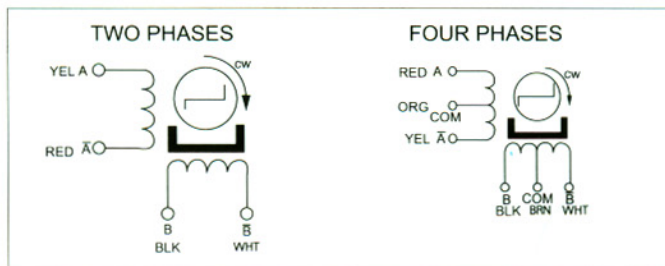
Item	Specifications
Step Angle accuracy	±7%(full step,no load)
Resistance accuracy	±10%
Temperature rise	80°C Max. ambient temperature 40°C
Ambient temperature	-20°C to +50°C
Insulation resistance	100M Ω Min.,500VDC
Dielectric strength	650VDC for one second,leakage current 1mA



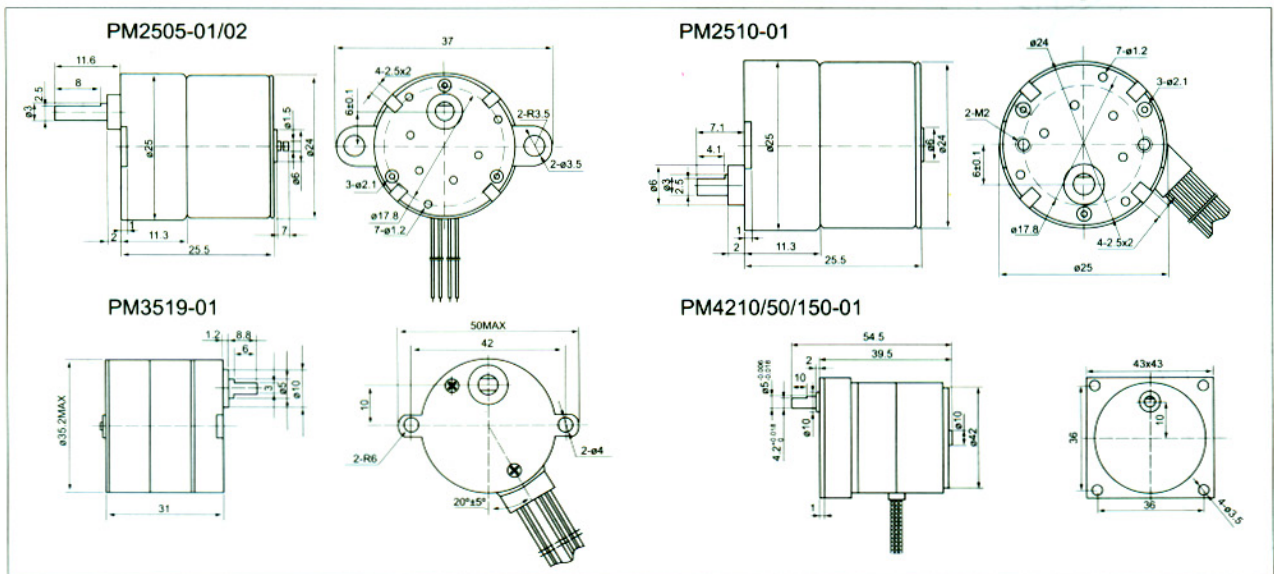
Electrical Specifications

Model		PM2505-01	PM2505-02	PM2510-01	PM3519-01	PM4210-01	PM4250-01	PM42150-01
Number of phase		2	2	2	4	2	2	2
Operating voltage	V	2.6	3.5	2.8	12	12	12	12
Resistance/Phase	Ω	5	9.6	6	30	20	20	20
Holding torque of motor	g.cm	150	150	150	500	550	550	550
Detent torque of motor	g.cm	45	45	45	120	140	140	140
Step angle of motor		7.5	7.5	7.5	7.5	7.5	7.5	7.5
Max. pull in rate of motor	pps	380	450	550	360	430	430	430
Pull in torque	kg.cm@200pps	0.075	0.1	0.2	1.9	2	10	30
Ratio		1:5	1:5	1:10	1:19	1:10	1:50	1:150

WIRING DIAGRAM



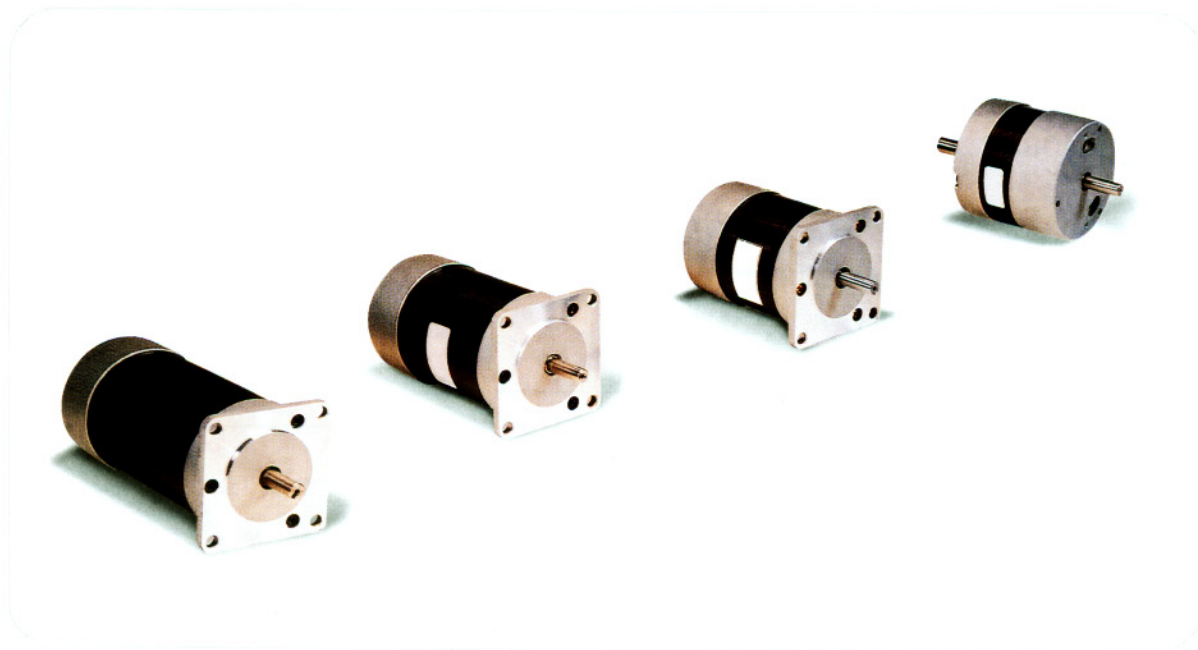
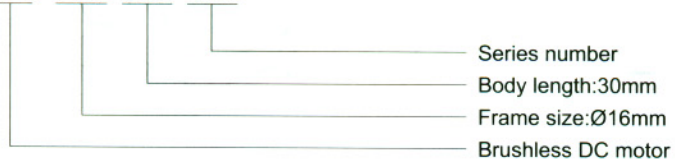
DIMENSIONS



Brushless DC Motor

Product Number Code for Brushless DC Motor

BL 16 30 - 001



BL(S)57 SERIES

Note: Square front end-bell BLS57; Round front end-bell BL57

General Specifications

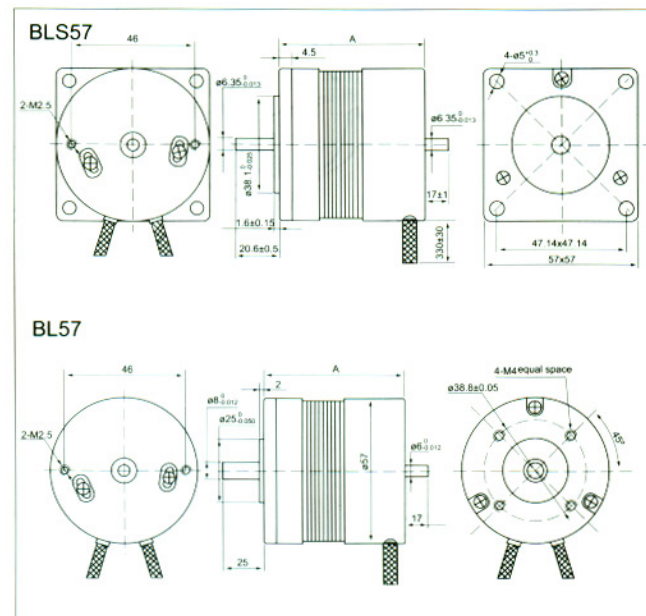
Item	Specifications
No. of phase	3
No. of polar	4
Winding type	Delta
Hall effect angle	120 degree electrical angle
Shaft run out	0.025mm
Radial play	0.025mm @ 460g
End play	0.025mm @ 4000g
Max. radial force	75N @ 20mm from the flange
Max. axial force	15N
Operating range	Max. 1000m above sea level Ambient temperature -20°C to +50°C
Insulation class	Class B
Dielectric strength	500VDC for one minute
Insulation resistance	100MΩ Min., 500VDC



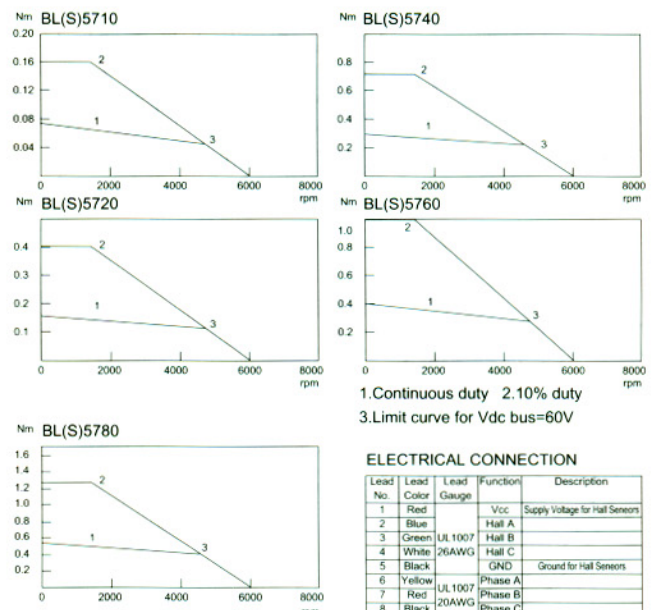
Electrical Specifications

Model No.		BL(S)5745-001	BL(S)5755-001	BL(S)5775-001	BL(S)5795-001	BL(S)57115-001
Continuous stall torque(Δtcu 80°C)	Nm	0.065	0.15	0.27	0.39	0.49
Continuous torque at rated speed	Nm	0.055	0.11	0.22	0.32	0.43
Max. peak torque(duty cycle 10%)	Nm	0.16	0.39	0.7	1	1.27
Rated speed	rpm	4000	4000	4000	4000	4000
Output power at rated speed	W	23	46	92	133	180
Rotor inertia	Kgm ²	3x10 ⁻⁶	7.5x10 ⁻⁶	11.9x10 ⁻⁶	17.3x10 ⁻⁶	23x10 ⁻⁶
Torque constant	Nm/A	0.063	0.063	0.063	0.063	0.063
Terminal resistance at 20°C	Ω	5.4	1.5	0.7	0.45	0.35
Line to line inductance	mH	11	4.2	2.16	1.4	1
B.E.M.F. at nominal speed	V	26.4	26.4	26.4	26.4	26.4
Locked rotor rated current	A	1	2.4	4.3	6.2	7.8
Max. peak current	A	3	6.8	14.5	17.6	22.3
Body length A	mm	45	55	75	95	115
Mass	Kg	0.25	0.5	0.75	1	1.25

DIMENSIONS



PERFORMANCE CURVE



ELECTRICAL CONNECTION

Lead No.	Lead Color	Lead Gauge	Function	Description
1	Red		Vcc	Supply Voltage for Hall Sensors
2	Blue		Hall A	
3	Green	UL1007	Hall B	
4	White	26AWG	Hall C	
5	Black		GND	Ground for Hall Sensors
6	Yellow		Phase A	
7	Red	UL1007	Phase B	
8	Black	20AWG	Phase C	

BL7550 SERIES

General Specifications

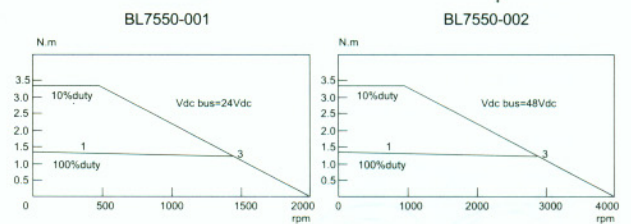
Item	Specifications
No. of phase	3
No. of polar	4
Winding type	Delta
Hall effect angle	120 degree electrical angle
Shaft run out	0.025mm
Radial play	0.025mm @ 460g
End play	0.025mm @ 4000g
Max. radial force	110N @ 20mm from the flange
Max. axial force	30N
Operating range	Max. 1000m above sea level Ambient temperature -20°C to +50°C
Insulation class	Class B
Dielectric strength	500VDC for one minute
Insulation resistance	100M Ω Min., 500VDC



Electrical Specifications

Model No.		BL7550-001	BL7550-002
Normal voltage	DCV	24	48
Continuous stall torque(Δt_{cu} 80°C)	Nm	1.28	1.3
Continuous torque at rated speed	Nm	1	1
Max. peak torque(duty cycle 10%)	Nm	3.27	3.35
Rated speed	rpm	1500	3200
Output power at rated speed	W	157	335
Rotor inertia	Kgmm ²	30	30
Torque constant	Nm/A	0.11	0.12
Terminal resistance at 20°C	Ω	0.3	0.35
Line to line inductance	μH	657	852
B.E.M.F. at nominal speed	V	17.2	40
Locked rotor rated current	A	11.6	11
Max. peak current	A	33	31
Mass	Kg	2.5	2.5

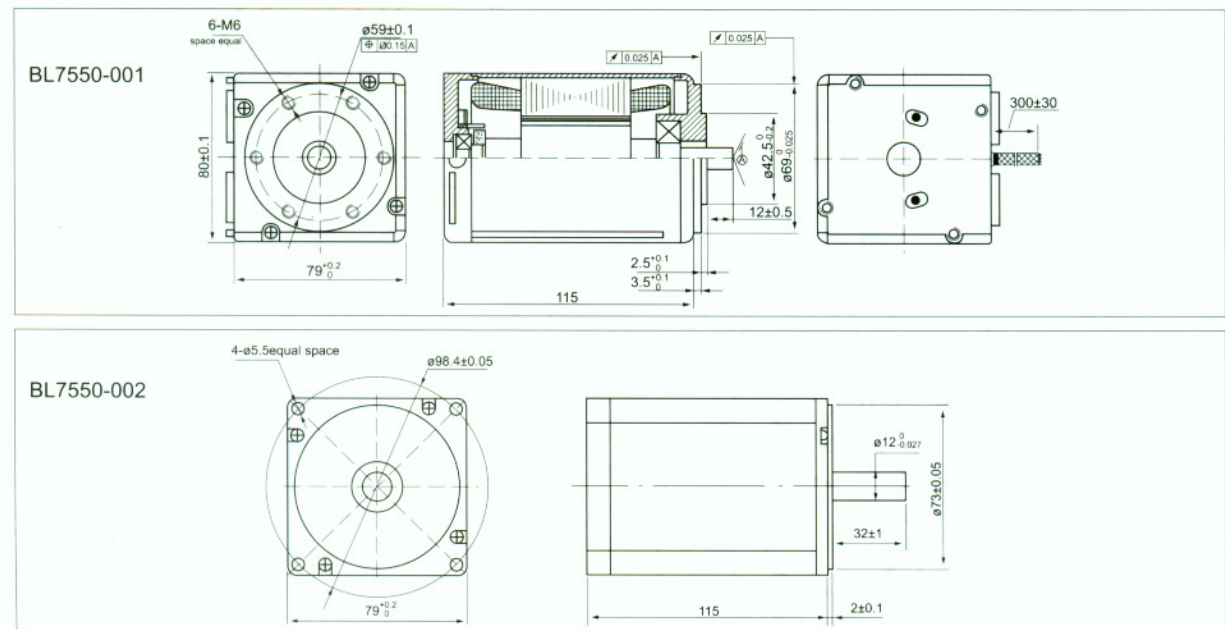
PERFORMANCE CURVE



ELECTRICAL CONNECTION

Lead No.	Lead Color	Lead Gauge	Function	Description
1	Red	AF150 26AWG	Vcc	Supply Voltage for Hall Sensors
2	Blue		Hall A	
3	Green		Hall B	
4	White	AF150 20AWG	Hall C	
5	Black		GNL	Ground for Hall Sensors
6	Yellow		Phase A	
7	Red		Phase B	
8	Black		Phase C	

DIMENSIONS



BL22(IE) SERIES

NOTE:IE indicate the motor have a inside driver.

General Specifications

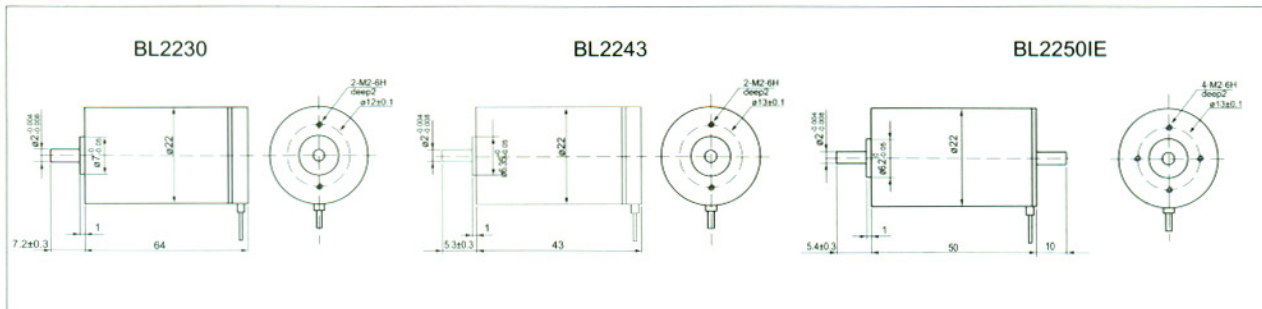
Item	Specification
No. of phase	3
Operating temperature range	-30°C to +85°C
Commutation	Electronically commutation
Bearing	EZO & NMB
Housing material	Aluminum, black anodized
Magnet material	Nd-Fe-B
Direction of rotation	Electronically reversible
Insulation class	Class B
Dielectric strength	500VDC for one minute
Insulation resistance	100M Ω Min., 500VDC



Electrical Specifications

Model No.		BL2230-001	BL2230-002	BL2230-003	BL2230-004	BL2243-001	BL2250IE-001	BL2250IE-002
Pole		2	2	2	2	2	4	4
Nominal Voltage	V	6	6	12	24	24	12	18
Phase to phase resistance	Ω	5.6	42	20.5	20.5	2.7	13.54	13.54
Output power	W	1.43	0.19	1.41	5.44	49.45	2.48	5.54
Efficiency(Max.)	%	58	54	46	43	65	67	65
No-load speed	rpm	6400	2100	6500	13800	40220	9240	13870
No-load current	A	0.06	0.01	0.06	0.14	0.33	0.03	0.05
Stall torque	mNm	8.85	3.42	9.06	16.92	48.57	10.42	15.66
Friction torque	mNm	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Back EMF constant	mV/rpm	0.89	2.66	1.66	1.53	0.57	1.25	1.25
Torque constant	mNm/A	8.45	25.37	15.82	14.62	5.49	11.98	11.93
Slope of speed vs torque curve	rpm/mNm	748.74	622.94	781.95	915.68	856.47	900.62	908.98
Mechanical time constant	mS	14.82	12.33	15.48	18.12	16.95	17.83	17.99
Rotor inertia	g.cm ²	1.89	1.89	1.89	1.89	1.89	1.89	1.89
Angular acceleration(Max.)	10 ³ rad/s ²	46.85	18.12	47.95	89.51	256.99	55.13	82.83
Sensor		sensorless	sensorless	sensorless	hall sensor	hall sensor	hall sensor	hall sensor
Weight	g	44.5	44.5	44.5	44.5	106	53	53
Body length	mm	30	30	30	30	43	50	50

DIMENSIONS





Coreless DC Motor & Coreless DC Gearmotor

Product Number Code for Coreless DC Motor



Product Number Code for Coreless DC Gearmotor



CL06/08/10/12/14 SERIES

General Specifications

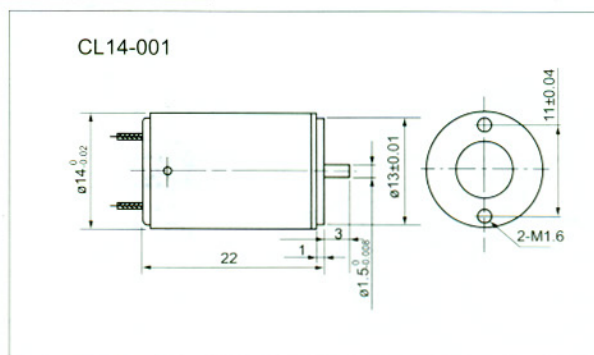
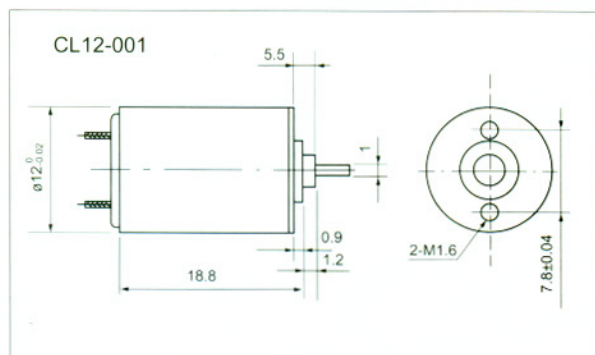
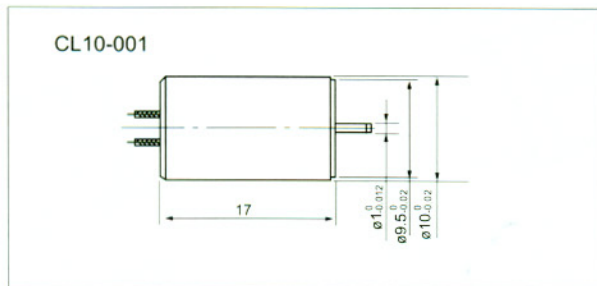
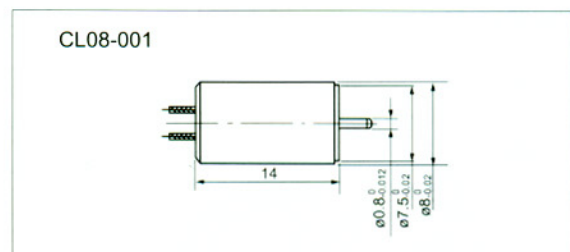
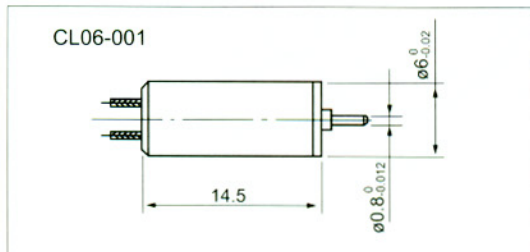
Model	Allowable voltage: VDC	Ambient Temperature	Comparative humidity	Speed allowable error
CL06	1.5,3			
CL08	1.5,3,4.5			
CL10	1.5,3,4.5	-50°C~+60°C	< 90%(25°C)	±10%
CL12	1.5,3,4.5,6			
CL14	1.5,3,4.5,6,9,12			



Electrical Specifications

Model No.		CL06-001	CL08-001	CL10-001	CL12-001	CL14-001
Total length	mm	14.5	14	12	18.8	22
Nominal voltage	VDC	1.5	4.5	4.5	6	6
No-load speed	rpm	15000	12000	8500	6500	6000
No-load current	mA	10	10	8	5	5
Starting voltage	VDC	0.5	0.5	0.5	0.5	0.5
Locked current	mA	50	90	50	90	100
Terminal resistance	Ω	8	27	30	31	40
Bearing		Ruby	Ruby		sleeve	

DIMENSIONS



CL16/20/22/26/28 SERIES

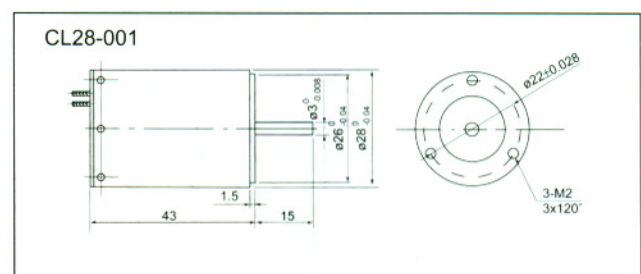
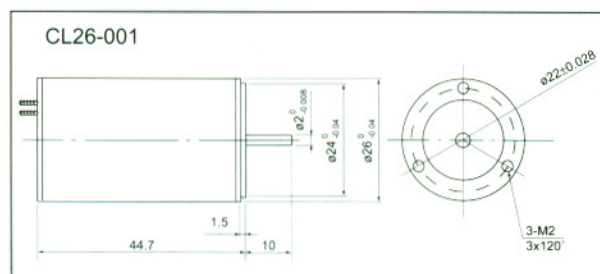
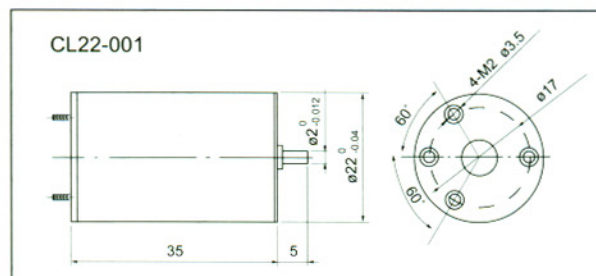
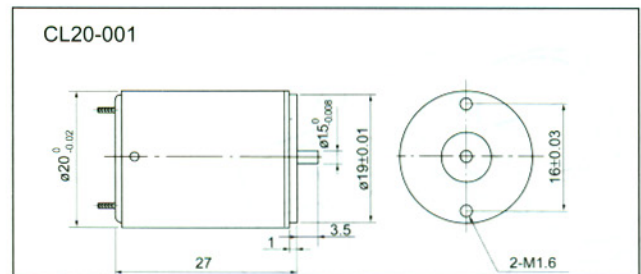
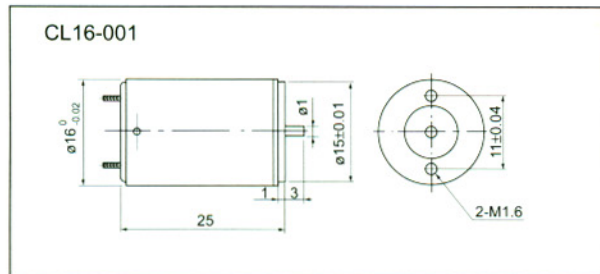
General Specifications

Model	Allowable voltage: VDC	Ambient Temperature	Comparative humidity	Speed allowable error
CL16	3,4,5,6,9,12	-50°C~60°C	< 90%(25°C)	±10%
CL20	3,4,5,6,9,12			
CL22	6,9,12,24			
CL26	6,9,12,24			
CL28	6,9,12,24			

Electrical Specifications

Model No.		CL16-001	CL20-001	CL22-001	CL26-001	CL28-001
Total length	mm	25	27	35	44.7	43
Nominal voltage	VDC	6	6	6	6	12
No-load speed	rpm	5500	9500	6000	2500	5000
No-load current	mA	5	10	20	15	16
Starting voltage	VDC	0.5	1	2	2	2
Locked current	mA	170	230	200	330	550
Terminal resistance	Ω	20	12	11.5	2.8	6
Bearing		sleeve	sleeve	sleeve	sleeve	sleeve

DIMENSIONS



CLG06/08/10/12 SERIES

General Specifications

Model	Allowable voltage: VDC	Range of ratio	Ambient Temperature	Comparative humidity	Speed allowable error
CLG06	1.5	24-2000	-50°C~60°C	< 90%(25°C)	±10%
CLG08	1.5,3,4,5	183-2000			
CLG10	1.5,3,4,5	10,25,70,76,220			
CLG12-001/002	1.5,3,4,5,6	20,25,74,94,176,222,282,356,528,688,844,1074,1353			
CLG12-003	1.5,3,4,5,6,9	100-1600			

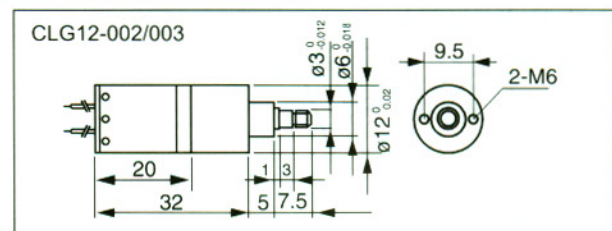
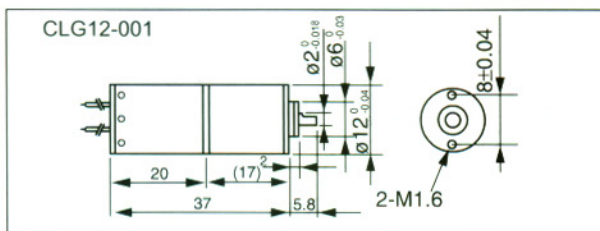
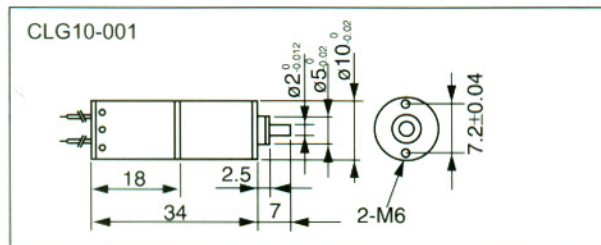
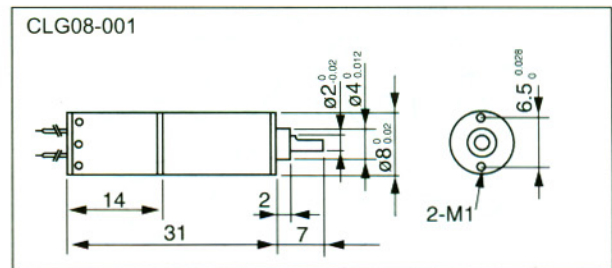
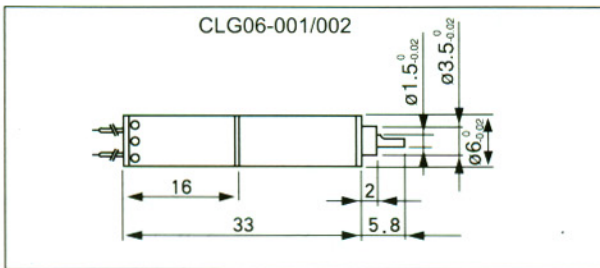


CORELESS DC MOTOR

Electrical Specifications

Model No.		CLG06-001	CLG06-002	CLG08-001	CLG10-001	CLG12-001	CLG12-002	CLG12-003
Total length	mm	33	33	31	34	37	24	32
Reduction ratio		1:581	1:2077	1:696	1:548	1:356	1:24.7	1:410
Nominal voltage	VDC	1.5	1.5	4.5	4.5	6	3	6
No-load speed	rpm	26	7	18	16	18	420	27
No-load current	mA	30	30	8	6	5	25	5
Starting voltage	VDC	0.5	0.5	0.5	0.5	0.5		0.5
Continuous torque	g.cm	40	60	100	150	230	75	350
Locked current	mA	100	100	90	90	90	90	90
Terminal resistance	Ω	7	7	27	28	31	31	29
Testing stall time	hour	1	1	1	1	1	1	1
Max. stall temperature rise	K	50	50	50	50	50	50	50
Noise	dB	30	30	30	30	35	35	35

DIMENSIONS



CLG14/16/20/26/28 SERIES

General Specifications

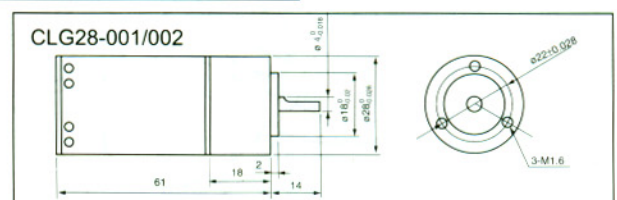
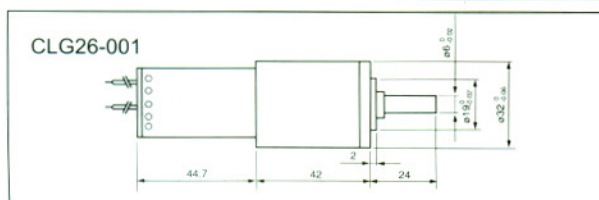
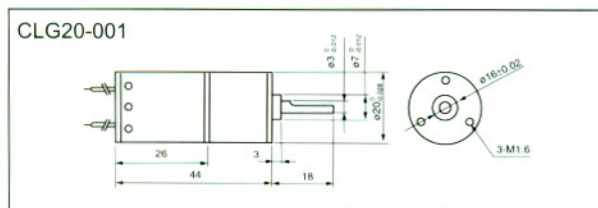
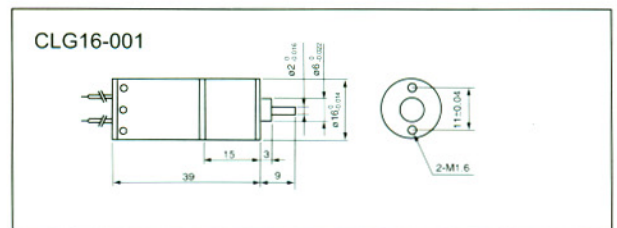
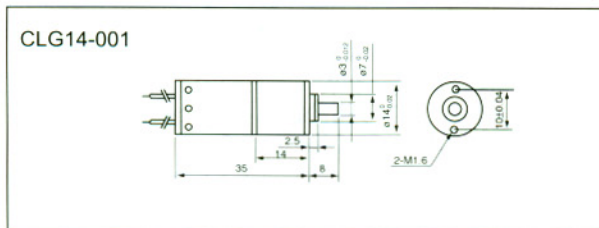
Model	Allowable voltage: VDC	Range of ratio	Ambient Temperature	Comparative humidity	Speed allowable error
CLG14	1.5,3,4.5,6,9,12	22,26,76,88,103,261,304,41,630,850,1050,1216,1412,1640	-50°C~60°C	< 90%(25°C)	±10%
CLG16	3,4.5,6,9,12	15,25,28,33,51,64,85,98,114,133,176,237,292,330,390,460,531,600,800,1000			
CLG20	3,4.5,6,9,12	100-6400			
CLG26	6,9,12	84-10000			
CLG28	6,9,12	13-10000			



Electrical Specifications

Model No.		CLG14-001	CLG16-001	CLG20-001	CLG26-001	CLG28-001	CLG28-002
Total length	mm	35	39	44	87	61	61
Reduction ratio		1:410	1:460	1:670	1:150	1:260	1:136
Nominal voltage	VDC	6	6	6	6	12	12
No-load speed	rpm	14	16	14	16	18	35
No-load current	mA	5	5	10	15	16	16
Starting voltage	VDC	0.5	0.5	1	2	2	2
Continuous torque	g.cm	300	500	1200	1500	2300	2000
Locked current	mA	90	170	230	330	680	680
Terminal resistance	Ω	30	12	12	2.8	6	6
Testing stall time	hour	1	1	1	1	1	1
Max. stall temperature rise	K	50	50	50	50	50	50
Noise	dB	35	40	45	45	45	45

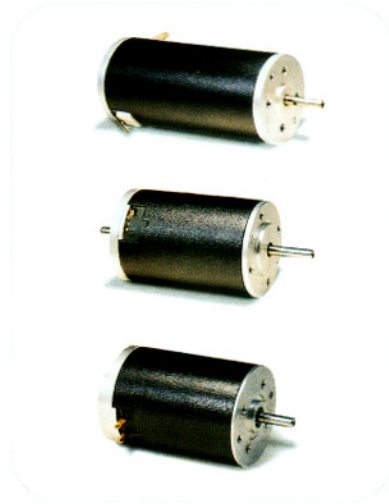
DIMENSIONS



SB40 SERIES

General Specifications

Item	Specifications
Shaft run out	0.025mm
max. axial static force for pressfit	150N
Operating range	Max.1000m. above sea level Ambient temperature -20°C to +50°C
Insulation class	Class B
Dielectric strength	500VDC for one minute
Insulation resistance	100MΩ Min.,500VDC

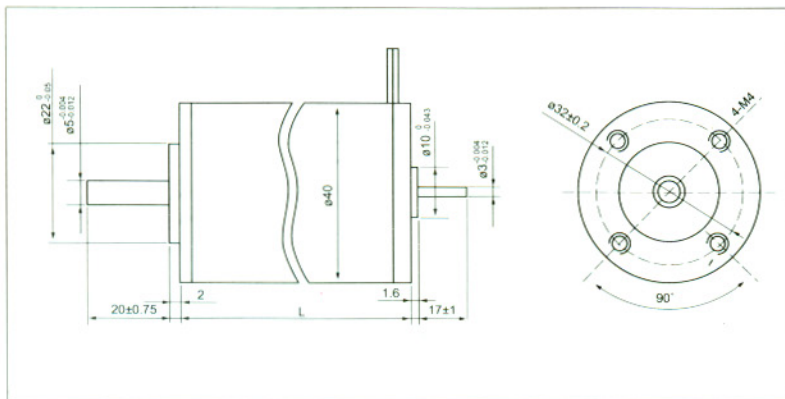


Electrical Specifications

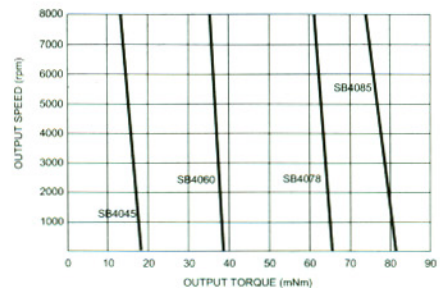
Model	SB4045			SB4060			SB4078			SB4085			
Rated torque ¹⁾	mNm			43			67			81			
Stall torque	mNm			300			440			560			
No-load speed	rpm			6200			4900			5300			
Speed regulation constant	rpm/mNm			21			11			9			
Rotor inertia	Kg ^m ²x10 ⁻⁷			41.7			72			84.7			
Mechanical time constant	ms			9			9			9			
Static friction torque	mNm			4.2			5.6			5.6			
Motor length L	mm			61			77.5			85.2			
Measuring voltage ²⁾	V	12	24	48	12	24	48	12	24	48	12	24	48
Torque constant	mNm/A	15.5	31.1	62.1	18.3	36.5	73	22.9	45.8	92.5	21.2	42.4	83.7
Back-EMF constant	V/krpm	1.6	3.3	6.5	1.9	3.8	7.6	2.4	4.8	9.7	2.2	4.4	8.8
Terminal resistance	Ω	1.9	7.4	29.2	0.8	3	11.5	0.7	2.5	9.7	0.6	1.9	7
Inductance	mH	1.2	4.6	18.6	0.6	2.5	10	0.7	2.6	10.7	0.5	2	7.7
Stall current	A	6.2	3.3	1.6	14.5	8.1	4.2	16.9	9.6	4.9	21.7	13.0	6.9
No-load current	A	0.32	0.16	0.08	0.33	0.16	0.08	0.33	0.16	0.08	0.36	0.18	0.09

1)Continuous torque rating at 3000rpm 2)Other voltage rating available

DIMENSIONS



SAFE OPERATION TORQUE CURVES



Please refer to these curves to select the motor frame size for your load

A motor can operate continuously at any load point (torque & speed) on the left of the respective motor curve. The motors offer higher torque capabilities when mounted on a metal surface.

SB54 SERIES

General Specifications

Item	Specifications
Shaft run out	0.025mm
Max. axial static force for pressfit	150N
Operating range	Max.1000m. above sea level Ambient temperature -20°C to +50°C
Insulation class	Class B
Dielectric strength	500VDC for one minute
Insulation resistance	100M Ω Min.,500VDC

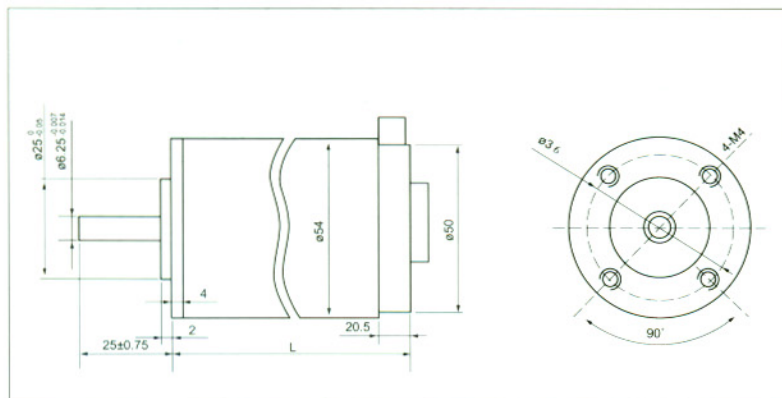


Electrical Specifications

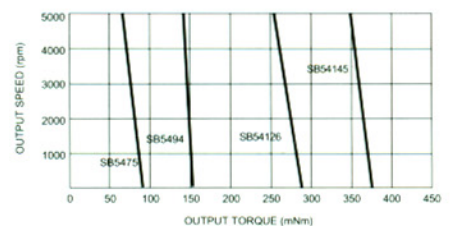
Model	SB5475				SB5494				SB54126				SB54145				
Rated torque ¹⁾	mNm	70				150				260				360			
Stall torque	mNm	450				1100				2000				2750			
No-load speed	rpm	4200				3500				4000				4000			
Speed regulation constant	rpm/mNm	9.3				3.2				2.0				1.5			
Rotor inertia	Kgm ² x10 ⁻⁷	113				212				367				473			
Mechanical time constant	ms	11				7				6				5			
Static friction torque	mNm	9				11				15				16			
Motor length L	mm	75				94				126				145			
Measuring voltage ²⁾	V	12	24	48	12	24	48	12	24	48	12	24	48	12	24	48	
Torque constant	mNm/A	26.3	52.5	132.9	32.7	65.4	132.9	44.6	55.7	111.5	42.4	55.7	117.4				
Back-EMF constant	V/krpm	2.8	5.5	13.9	3.4	6.8	13.9	4.67	5.84	11.67	4.4	5.8	12.3				
Terminal resistance	Ω	0.7	2.8	5.5	0.4	1.4	5.5	0.35	0.39	2.06	0.2	0.4	2.7				
Inductance	mH	0.6	2.5	9.3	0.6	2.3	6.3	0.54	0.56	3.4	0.3	0.6	4.5				
Stall current	A	16.7	8.6	8.7	32.7	17.4	8.7	43.1	49.3	18.5	74.1	61.9	17.5				
No-load current	A	0.52	0.26	0.12	0.48	0.24	0.12	0.41	0.38	0.17	0.51	0.38	0.16				

1)Continuous torque rating at 3000rpm 2)Other voltage rating available

DIMENSIONS

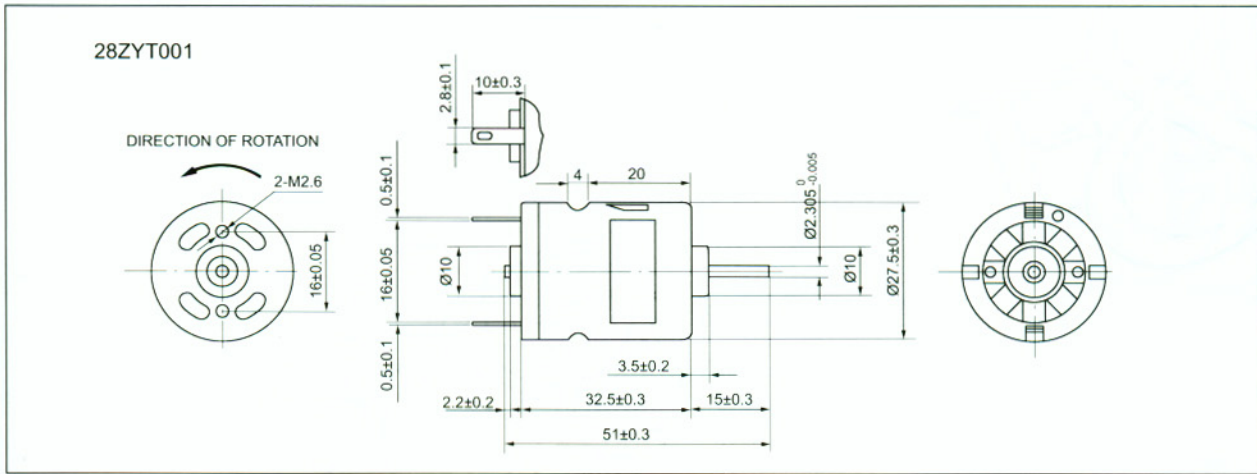


SAFE OPERATION TORQUE CURVES



Please refer to these curves to select the motor frame size for your load

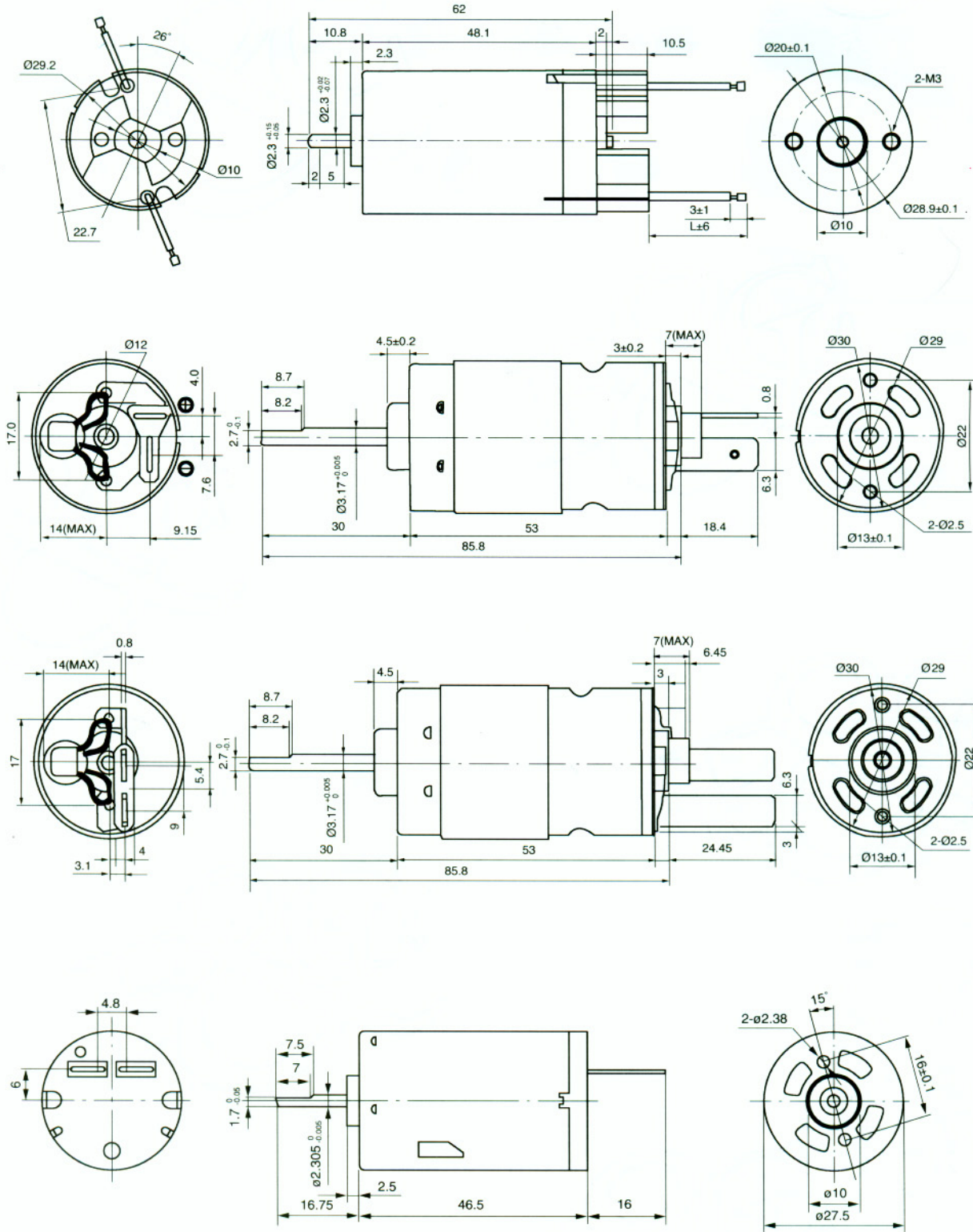
A motor can operate continuously at any load point (torque & speed) on the left of the respective motor curve. The motors offer higher torque capabilities when mounted on a metal surface.

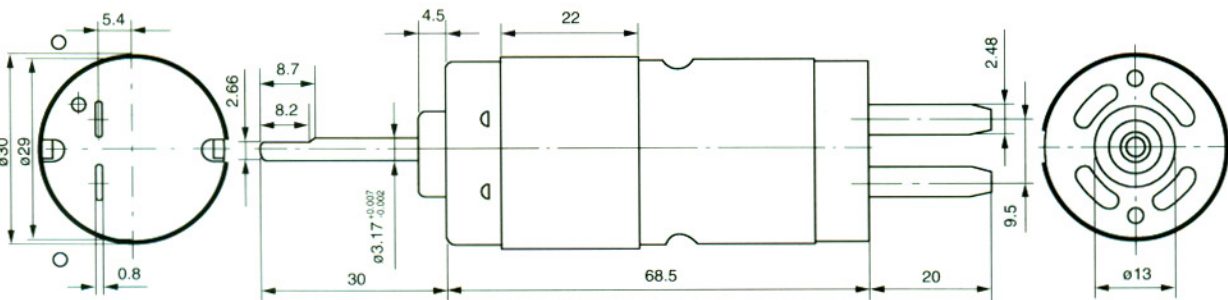
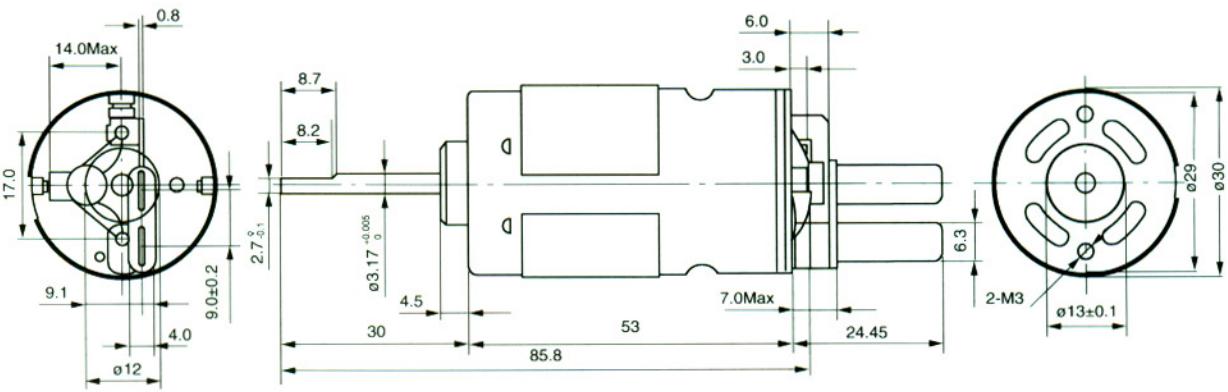
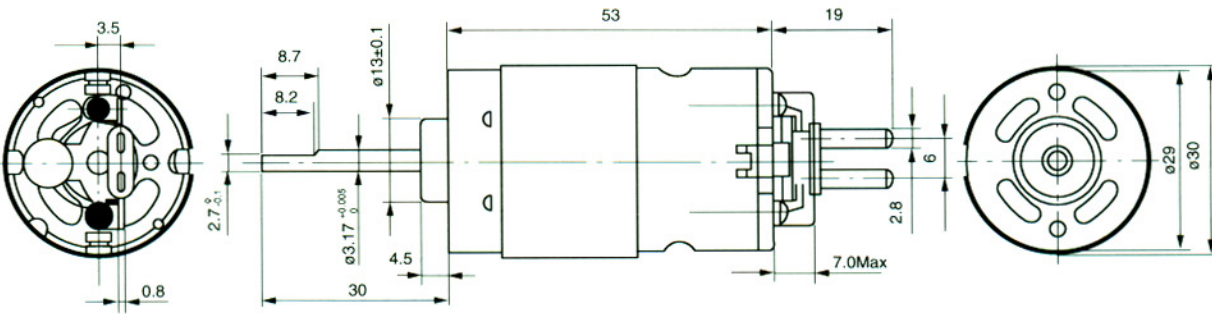
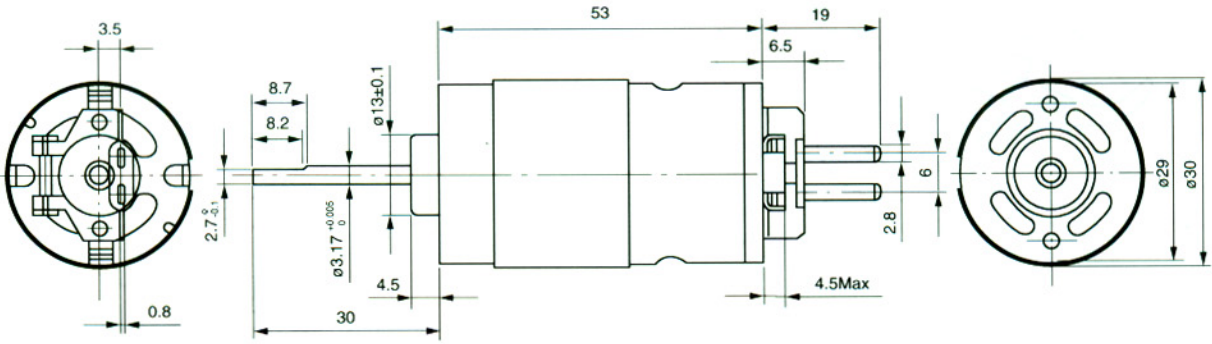


Rated voltage V	Load torque g.cm	Load speed rpm	Load current A	No-load speed rpm	No-load current A	Directors of rotation	End play mm	Insulance MΩ	Dielectric strength
13.5	40	4200±10%	0.28	5300±10%	≤ 0.12	CCW	0.05-0.55	>10(DC250V)	550V, 1min, <5mA

29SYT001-009

Motor type	Rated Voltage V	Rated Torque mNm	Rated Speed rpm	Rated Current A	No-load Speed rpm	No-load Current A	Notes
29SYT001	12	17.5	2680	0.93	4080	0.12	Long-time
29SYT002	24	17.5	2680	0.93	4080	0.12	Long-time
29SYT003	13.5	50	18000	13	26000	1.3	Short-time
29SYT004	13.5	50	18000	13	26000	1.3	Short-time
29SYT005	13.5	15	17500	4.6	25000	0.7	Short-time
29SYT006	13.5	50	18000	13	26000	1.3	Short-time
29SYT007	13.5	50	18000	13	26000	1.3	Short-time
29SYT008	27	50	18000	13	26000	1.3	Short-time
29SYT009	13.5	50	18000	13	26000	1.3	Short-time







FC-F-0057



FC-F-0094



FC-F-0595



FC-F-0163



FC-F-0109



FC-F-0232



FC-F-0289



FC-F-0131



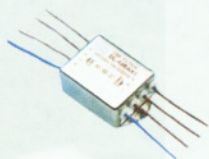
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FC-F-0296



FC-F-0254



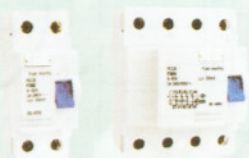
FC-F-0150



FC-F-0309



FC-F-0599



FC-F-0816



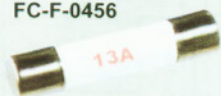
FC-F-0818



FC-F-0937



FC-F-0456



FC-F-0476



FC-F-0176



FC-F-0446



FC-F-0468



FC-F-0545



FC-F-0185



FC-F-0001
(LLAS0550)
LLAS0550 Plug-in Single switching power adapter
Input voltage:100V~240V AC
Input plug:AT, ET, ST
Output plug:3.5x1mm
Polarity:positive



FC-F-0002
(LLAS1620)
LLAS1620 Desktop single switching power adapter
Input voltage:100V~240V AC
Output voltage:16V DC
Current:0~2000mA
Input plug:ET, AT, BS, SAA
Output plug:any DC jack
Polarity:positive or negative



FC-F-0003
(LLAS1200)
LLAS1200 Plug-in switching power adapter
Input voltage:90V~240V AC
Selectable output voltage:3.0/4.5/6.0/7.5/9.0/12V DC
Current:0~1200mA
Input plug:AT, ET, ST
Output plug:6 way detachable plug



FC-F-0004
(LLAS0720)
LLAS0720 Plug-in Single switching power adapter
Input voltage:90V~240V AC
Output voltage:7.5V DC
Current:0~2000mA
Input plug:AT, ET, ST
Output plug: any DC jack



FC-F-0005
(LLA1220U)
LLA1220U-Maximum power is 2.4W
Input voltage:120V AC
Input plug:AT
Output plug:Any DC jack
Polarity:Positive or negative



FC-F-0006
(LLA12100U)
LLA1220U-Maximum power is 12W
Input voltage:120V AC
Input plug:AT
Output plug:Any DC jack
Polarity:Positive or negative



FC-F-0007
(LLA1250U)
LLA1250U-Maximum power is 6W
Input voltage:120V AC
Input plug:AT
Output plug:Any DC jack
Polarity:Positive or negative



FC-F-0008
(LLA1220)
Model:LLA35/030-040
Input plug:AT, ET, ST
Output Voltage(V):3
Output Current(mA):400



FC-F-0009
(LLA1250)
Model:LLA41/030-100
Input plug:AT, ET, ST
Output Voltage(V):3
Output Current(mA):1000



FC-F-0010
(LLA1250G)
Model:LLA41/060-100
Input plug:ST
Output Voltage(V):6
Output Current(mA):1000



FC-F-0011
(LLA1260K)
Model:LLA41/060-060
Input plug:ET, AT, BS, SAA
Output Voltage(V):6
Output Current(mA):600



FC-F-0012
(LLA0930K)
Model:LLA41/090-030
Input plug:AT, ET, ST, SAA
Output Voltage(V):9
Output Current(mA):300



FC-F-0013
(LLA0970)
Model:LLA41/120-040
Input plug:AT, ET, ST
Output Voltage(V):12
Output Current(mA):400



FC-F-0014
(LLA1250B)
LLA1250B-Dual voltage adapter to be used with telephone or walkmans includes special plugs for SONY,AIWA and Panasonic.....
Input voltage:110V or 220V
Output voltage:6V and 9V
Input plug:AT, ET, ST
Output plug:4.0x1.7mm and 4.75x1.75mm DC jack
Polarity:positive or negative



FC-F-0015
(LLA1230A)
LLA1230A-Single voltage AC adapter with female cigartte lighter socket(Maximum power is 3.6VA)
Input voltage:110V or 220V
Output voltage:12V
Output current:300mA
Input plug:AT, ET
Output plug:cigarette lighter socket or and DC jack

**FC-F-0016**
(LLA1230K)

LLA1230K-Single voltage AC adapter(Maximum power is 3.6VA)
Input voltage:110V or 220V or 110/220V
Output voltage:12V Output current:300mA
Input plug:ET.
Output plug:any DC jack

**FC-F-0017**
(LLA1285)

Model:LLA48/030-150
Input plug:AT. ET. ST.
Output Voltage(V):3
Output Current(mA):1500

**FC-F-0018**
(LLA1285E)

Model:LLA48/090-100
Input plug:ST. UK.
Output Voltage(V):9
Output Current(mA):1000

**FC-F-0019**
(LLA1285K)

Model:LLA48/135-085
Input plug:ET. AT. BS. SAA.
Output Voltage(V):13.5
Output Current(mA):850

**FC-F-0020**
(LLA1285KH)

LLA1285KH-Single voltage AC adapter Maximum power is 10.2VA
Input voltage:110V or 220V or 110V/220V
Output voltage:12V
Output current:850mA
Input plug:AT. ET. SAA.
Output plug:any DC jack
Polarity Positive or negative

**FC-F-0021**
(LLA1285B)

LLA1285B-Single voltage AC adapter Maximum power is 10.2VA
Input voltage:110V or 220V or 110V/220V
Output voltage:12V
Output current:850mA
Input plug:AT. ET. ST. RUK.
Output plug:any DC jack
Polarity:Positive or negative

**FC-F-0022**
(LLA1285C)

LLA1285C-Single voltage AC adapter Maximum power is 10.2VA
Input voltage:110V or 220V or 110V/220V
Output voltage:12V
Output current:850mA
Input plug:AT. ET.
Output plug:any DC jack
Polarity:Positive or negative

**FC-F-0023**
(LLA1285A)

LLA1285A-Single voltage AC adapter Maximum power is 10.2VA
Input voltage:110V or 220V or 110V/220V
Output voltage:12V
Output current:850mA
Input plug:ST.
Output plug:any DC jack
Polarity:Positive or negative

**FC-F-0024**
(LLA15150)

Model:LLA57/180-100
Input plug:AT. ET. BS. SAA.
Output Voltage(V):18
Output Current(mA):1000

**FC-F-0025**
(LLA15150E)

Model:LLA57/150-120
Input plug:ET. AT. BS. SAA.
Output Voltage(V):15
Output Current(mA):1200

**FC-F-0026**
(LLA12300)

Model:LLA66/240-100
Input plug:ET. AT. BS. SAA.
Output Voltage(V):24
Output Current(mA):1000

**FC-F-0027**
(LLA12400P)

LLA12400P-Universal power supply With 12V metal cigarette lighter socket
Maximum Load 500mA
Input plug:ET. ST. BS. SAA.
Input voltage:110/220V or 220V/240V AC
Output voltage:12V DC 4 Amp constant Power On/Off switch

**FC-F-0028**
(LLA12800P)

LLA12800P-Universal power supply With 12V metal cigarette lighter socket
Input plug:ET. AT. BS. SAA.
Input voltage:110/220V or 220V/240V AC
Output voltage:12V DC 8 Amp constant Power On/Off switch

**FC-F-0029**
(LLA12300D)

LLA12300D-Adapter with double sockets
The AC Adapter converts 110V or 220V or 110/220V AC to 12V DC.The maximum output current is 3000mA ET. AT. BS. SAA.

**FC-F-0030**
(LLA1250D)

LLA1250D-Cellular AC to DC Converter
Maximum Load 500mA
Output Voltage:12V DC
AT. ET. ST.



FC-F-0031
(LLA14005WP)
LLA14005WP-regulated 13.8V, 0.5Amp DC power supply with cigarette socket
Input plug: AT, ET, BS, SAA, VDE
Input voltage: 220V or 110V or 110/220V AC
Output voltage: 13.8V DC
0.5Amp constant, 1Amp surge capacity
Full regulated, low ripple
Heavy duty metal housing
Short circuit protection
Automatic thermal cut off
Automatic overload cut off
Power ON/OFF switch
With one led light



FC-F-0032
(LLA14060WP)
LLA14060WP-regulated 13.8V, 0.5Amp DC power supply with cigarette socket
Input plug: AT, ET, BS, SAA, VDE
Input voltage: 220V or 110V or 110/220V AC
Output voltage: 13.8V DC
6Amp constant, 8Amp surge capacity
Full regulated, low ripple
Heavy duty metal housing
Short circuit protection
Automatic overload cut off
Power ON/OFF switch



FC-F-0033
(LLA14130WP)
LLA14130WP-regulated 13.8V, 13Amp DC power supply
Input plug: AT, ET, BS, SAA, VDE
Input voltage: 220V or 110V or 110/220V AC
Output voltage: 13.8V DC
13Amp constant, 22Amp surge capacity
Full regulated, low ripple
Heavy duty metal housing
Short circuit protection
Automatic overload cut off
Power ON/OFF switch



FC-F-0034
(LLA14200WP)
LLA14200WP-regulated 13.8V, 20Amp DC power supply
Input plug: AT, ET, BS, SAA, VDE
Input voltage: 220V or 110V or 110/220V AC
Output voltage: 13.8V DC
20Amp constant, 22Amp surge capacity
Full regulated, low ripple
Heavy duty metal housing
Short circuit protection
Automatic overload cut off
Power ON/OFF switch



FC-F-0035
(LLA48/050)
LLA48/080-Plug-in adapter
Input voltage: 230V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 500mA
Input plug: ST
Output plug: 6 way universal connector



FC-F-0036
(LLA48/100)
LLA48/100-Plug-in adapter
Input voltage: 230V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 1000mA
Input plug: ST
Output plug: 6 way universal connector



FC-F-0037
(LLA41/030)
LLA41/030-Plug-in adapter
Input voltage: 230V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 300mA
Input plug: ST
Output plug: 6 way universal connector



FC-F-0038
(LLA48/080)
LLA48/080-Plug-in adapter
Input voltage: 230V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 800mA
Input plug: ST
Output plug: 6 way universal connector



FC-F-0039
(LLA57/120)
LLA57/120-Desk top adapter
Input voltage: 230V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 1200mA
Input plug: ET
Output plug: 6 way universal connector



FC-F-0040
(LLA300R)
LLA300R-Regulated Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 300mA
Input plug: AT, ET, SAA, ST, VDE
Output plug: 6 way universal connector



FC-F-0041
(LLA500R)
LLA500R-Regulated Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 500mA
Input plug: AT, ET, SAA, ST, VDE
Output plug: 6 way universal connector



FC-F-0042
(LLA600NR)
LLA600NR-Regulated Plug-in adapter or desk top adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 600mA
Input plug: AT, ET, SAA, ST, VDE or AT, BS, SAA, VDE
Output plug: 6 way universal connector



FC-F-0043
(LLA800R)
LLA800R-Regulated Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 800mA
Input plug: AT, ET, SAA, ST, VDE
Output plug: 6 way universal connector



FC-F-0044
(LLA1000R)
LLA1000R-Regulated Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 1000mA
Input plug: AT, ET, SAA, ST, VDE
Output plug: 6 way universal connector



FC-F-0045
(LLA1500R)
LLA1500R-Regulated Desk top adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12V DC
Maximum load: 1500mA
Input plug: ET, SAA, ST, VDE or AT, BS, SAA, VDE
Output plug: 6 way universal connector



FC-F-0046
(LLA2000R)
LLA2000R-Regulated Desk top adapter
Input voltage: 110V or 220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 2000mA
Input plug: ET, AT, BS, SAA
Output plug: 6 way universal connector



FC-F-0047
(LLA300S)
LLA300S- Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 300mA
Input plug: AT
Output plug: 4 way universal connector



FC-F-0048
(LLA500S)
LLA500S- Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 500mA
Input plug: AT
Output plug: 6 way universal connector



FC-F-0049
(LLA800S)
LLA800S-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 800mA
Input plug: AT, ET, ST
Output plug: 6 way universal connector



FC-F-0050
(LLA1000S)
LLA1000S- Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 1000mA
Input plug: AT
Output plug: 6 way universal connector



FC-F-0051
(LLA300C)
LLA300C- Plug-in adapter
Input voltage: 110V or 220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 300mA
Input plug: AT, ET, ST, UK
Output plug: 6 way universal connector



FC-F-0052
(LLA500C)
LLA500C- Plug-in adapter
Input voltage: 110V or 220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 500mA
Input plug: AT, ET, ST, UK
Output plug: 6 way universal connector



FC-F-0053
(LLA1000C)
LLA1000C- Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 1000mA
Input plug: AT, ET, ST, UK
Output plug: 6 way universal connector



FC-F-0054
(LLA300U)
LLA300U- Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 300mA
Input plug: AT, ET, SAA
Output plug: 6 way universal connector



FC-F-0055
(LLA500U)
LLA500U-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 500mA
Input plug: AT, ET, SAA, ST
Output plug: 6 way universal connector



FC-F-0056
(LLA1000U)
LLA1000U-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 1000mA
Input plug: AT, ET, SAA, ST, RUK, VDE
Output plug: 6 way universal connector



FC-F-0057
(LLA350N)
LLA350N-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/9.0/12 V DC
Maximum load: 350mA
Input plug: AT, ET, SAA
Output plug: 6 way universal connector



FC-F-0058
(LLA550N)
LLA550N-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 500mA
Input plug: AT, ET, SAA
Output plug: 6 way universal connector



FC-F-0059
(LLA800N)
LLA800N-Plug-in adapter or desk top adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 800mA
Input plug: AT, ET, SAA, or ET, AT, BS, SAA
Output plug: 6 way universal connector



FC-F-0060
(LLA2000N)
LLA2000N-desk top adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 2000mA
Input plug: ET, AT, BS, SAA
Output plug: 6 way universal connector



FC-F-0061
(LLA300N)
LLA300N-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 300mA
Input plug: AT ET SAA ST UK
Output plug: 6 way universal connector



FC-F-0062
(LLA500N)
LLA500N-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 500mA
Input plug: AT ET SAA ST UK
Output plug: 6 way universal connector



FC-F-0063
(LLA600N)
LLA600N-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 600mA
Input plug: AT ET SAA
Output plug: 6 way detachable plug



FC-F-0064
(LLA1000N)
LLA1000N-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 1000mA
Input plug: AT ET SAA ST
Output plug: 6 way universal connector



FC-F-0065
(LLA1500N)
LLA1500N-Desk top adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 1500mA
Input plug: AT BS SAA
Output plug: 6 way universal connector



FC-F-0066
(LLA3000N)
LLA3000N-Desk top adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 3000mA
Input plug: AT BS SAA
Output plug: 6 way universal connector



FC-F-0067
(LLA300)
LLA300-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 300mA
Input plug: AT ET SAA ST VDE
Output plug: 6 way universal connector



FC-F-0068
(LLA500)
LLA500-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 500mA
Input plug: AT ET SAA ST VDE
Output plug: 6 way universal connector



FC-F-0069
(LLA1000)
LLA1000-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 1000mA
Input plug: AT ET SAA ST VDE
Output plug: 6 way universal connector



FC-F-0070
(LLA1800)
LLA1800-Desk top adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 1800mA
Input plug: AT BS SAA
Output plug: 6 way universal connector



FC-F-0071
(LLA3000)
LLA3000-Desk top adapter
Input voltage: 110V 60Hz or 220V 50Hz or 110/220V 60/50Hz
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 3000mA
Input plug: AT BS SAA



FC-F-0072
(LLA500J/LLA300J)
LLA500J(LLA300J)-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 500mA(300mA)
Input plug: AT ET SAA ST
Output plug: 6 way universal connector



FC-F-0073
(LLA500G/LLA300G)
LLA500G(LLA300G)-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 500mA(300mA)
Input plug: AT ET SAA UK RUK
Output plug: 6 way universal connector



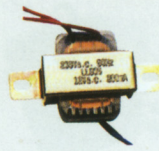
FC-F-0074
(LLA300B/LLA500B)
LLA300B(LLA500B)-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 300mA(500mA)
Input plug: AT ET SAA ST VDE
Output plug: 4 way universal connector



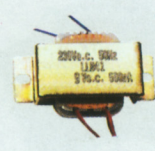
FC-F-0075
(LLA1000B)
LLA1000B-Plug-in adapter
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 1.5/3.0/4.5/6.0/7.5/9.0/12 V DC
Maximum load: 1000mA
Input plug: AT ET SAA ST VDE
Output plug: 4 way universal connector



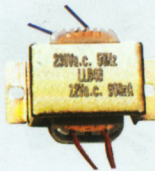
FC-F-0076
(LLA3000PC)
LLA3000PC-Dual function adapter & charger
Input voltage: 110V or 220V or 110/220V AC
Selectable output voltage: 6.0V/9.0V/12V/13.8V DC
Maximum load: 3000mA
Input plug: ET - C AT BS SAA -
Output plug: 5 way universal connector



FC-F-0077
(LLB35)
Output voltage: 12V
Current: 100mA/200mA
Max power: 1.5W/2.5W



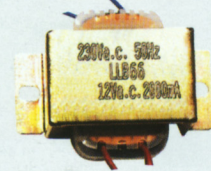
FC-F-0078
(LLB41)
Output voltage: 12V
Current: 300mA/500mA
Max power: 4W/6W



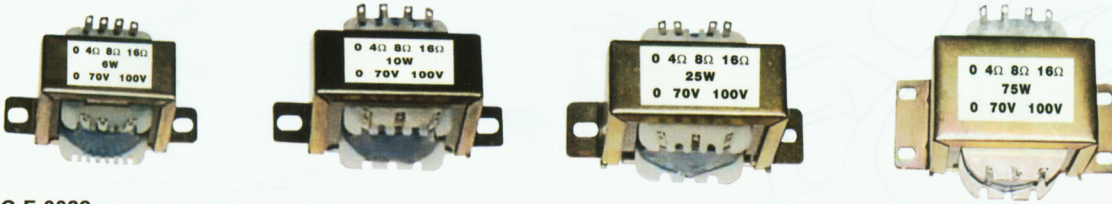
FC-F-0079
(LLB48)
Output voltage: 9V/12V
Current: 800mA/1000mA
Max power: 7.5W/10W/12W



FC-F-0080
(LLB57)
Output voltage: 9V/13.5V/18V
Current: 1200mA/1000mA
Max power: 11W/14W/18W



FC-F-0081
(LLB66)
Output voltage: 12V
Current: 2000mA/2500mA/3500mA
Max power: 24W/30W/42W



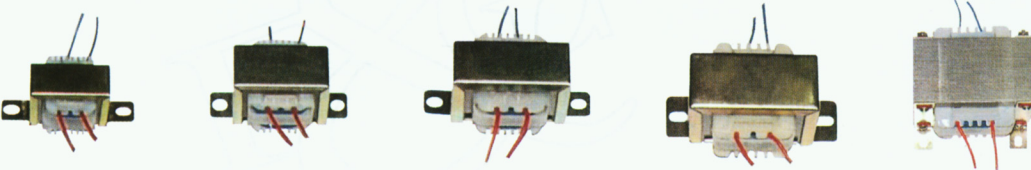
FC-F-0082

LLB SERIES AUDIO TRANSFORMER

Input voltage:0~70~100V

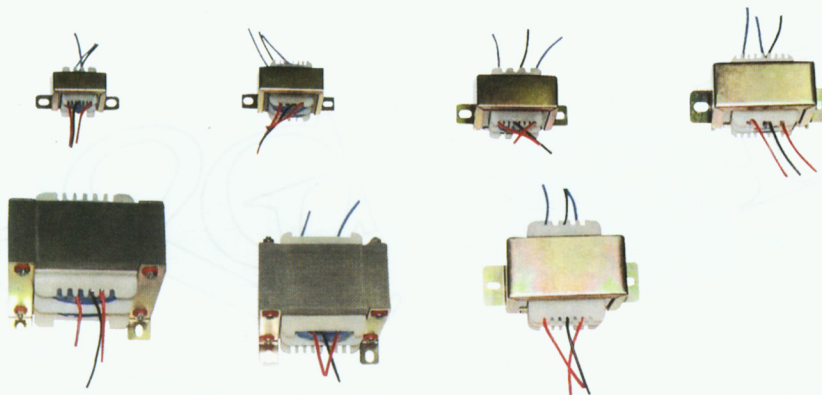
Output impedance:0~4~8~16Ω

Type	Size	Power	G.W.(KGS)	QTY/CTN	Measurement (cm)
FC-F-0082	EI41x20	6W	24	100pcs	24x22x19
	EI48x16	6W	22	72pcs	43x29.5x22.5
	EI48x20	10W	16	50pcs	29x23x12
	EI48x24	10W	19	50pcs	28x23x12
	EI48x30	15W	23	50pcs	28x26x12
	EI57x25	25W	14	25pcs	34x28.5x8
	EI57x30	25W	16.5	25pcs	34x29x8
	EI66x28	50W	20	25pcs	38x30x8.5
	EI66x32	75W	18	20pcs	38.5x24.5x8.5
EI66x45	100W	18	16pcs	33.5x33.5x8.5	



FC-F-0083

LLB SERIES CABINET FRAME TRANSFORMER



FC-F-0084

LLB SERIES “王” STYLE FRAME TRANSFORMER



FC-F-0085
(LLD300WYT)
Capacity:300W
Input voltage:140-260V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0086
(LLD500WYT)
Capacity:500W
Input voltage:140-260V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0087
(LLD1000WYT)
Capacity:1000W
Input voltage:120-260V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0088
(LLD2000WYT)
Capacity:2000W
Input voltage:120-260V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0089
(LLD300WY)
Capacity:300W
Input voltage:160-270V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Time delay 3 minutes
Over & under voltage cut off
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0090
(LLD500WY)
Capacity:500W
Input voltage:130-270V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Time delay 3 minutes
Over & under voltage cut off
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0091
(LLD5000WY)
Capacity:5000W
Input voltage:130-270V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Time delay 3 minutes
Over & under voltage cut off
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0092
(LLD3000WY)
Capacity:3000W
Input voltage:130-270V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Time delay 3 minutes
Over & under voltage cut off
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0093
(LLD300W)
Capacity:300W
Input voltage:160-270V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Input plug:ET. Ⓢ AT. Ⓢ BS. Ⓢ SAA. Ⓢ



FC-F-0094
(LLD500W)
Capacity:500W
Input voltage:130-270V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Input plug:ET. AT. BS. SAA.



FC-F-0095
(LLD1000W)
Capacity:1000W
Input voltage:130-270V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Input plug:ET. AT. BS. SAA.



FC-F-0096
(LLD2000W)
Capacity:2000W
Input voltage:130-270V
Output voltage:220V±10%
Phase:Single
Frequency:50/60Hz
Fuse protection
Power ON/OFF switch
Avoid damage of appliance due to unstable input voltage
Input plug:ET. AT. BS. SAA.



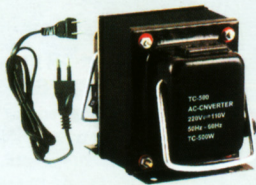
FC-F-0097
(LLD300UB)
Operates on 110/220V AC main electricity
Fuse protection
Built-in AC voltage selection
Input plug: ET. AT. BS. SAA.



FC-F-0098
(LLD1000UA)
Operates on 110/220V AC main electricity
Fuse protection
Built-in AC voltage selection
Input plug: ET. AT. BS. SAA.



FC-F-0099
(LLD5000UA)
Operates on 110/220V AC main electricity
Fuse protection
Built-in AC voltage selection
Input plug: ET. AT. BS. SAA.



FC-F-0100
(LLD500UBS)
Operates on 110/220V AC main electricity
Fuse protection
Built-in AC voltage selection
Input plug: ET. AT. BS. SAA.



FC-F-0101
(LLD100D)
Operates on 110/220V AC main electricity
Fuse protection
LED red lamp indicating power source
Built-in AC voltage selection
Input plug: ET. AT. BS. SAA.



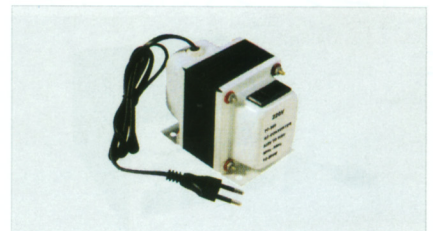
FC-F-0102
(LLD500D)
Operates on 110/220V AC main electricity
Fuse protection
LED red lamp indicating power source
Built-in AC voltage selection
Input plug: ET. AT. BS. SAA.



FC-F-0103
(LLD1000D)
Operates on 110/220V AC main electricity
Fuse protection
LED red lamp indicating power source
Built-in AC voltage selection
Input plug: ET. AT. BS. SAA.



FC-F-0104
(LLD3000D)
Operates on 110/220V AC main electricity
Fuse protection
LED red lamp indicating power source
Built-in AC voltage selection
Input plug: ET. AT. BS. SAA.



FC-F-0105
(LLD3000A)
Maximum power:300W
Input plug: ET. AT. BS. SAA.



FC-F-0106
(LLD100B)
Maximum power:100W
Input plug: ET. AT. BS. SAA.



FC-F-0107
(LLD1000A)
Maximum power:1000W
Input plug: ET. AT. BS. SAA.



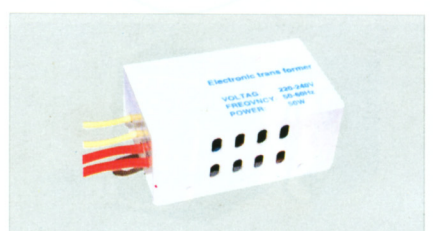
FC-F-0108
(LLD750C)
Maximum power:750W
Input plug: ET. AT. BS. SAA.



FC-F-0109
(LLD1650)
LLD1650-AC/AC converter(1650W)
Input voltage:220/240 Volts AC
Output voltage:110/120 Volts AC
Input plug:ET.



FC-F-0110
(LLD1600)
LLD1600-AC/AC converter(1600W)
Input voltage:220/240 Volts AC
Output voltage:110/120 Volts AC
Input plug:ET.



FC-F-0111
(LLA50BK)
LLA50BK-Electronic transformer
The transformer is different from the original adapter. It has many good points: Light weight; little cube, high efficiency. Low consuming in electricity no loud. So it can be used to light in the ball and the house etc. widely.
Input voltage: 110V or 220V AC 60/50Hz
Output voltage: 12V AC
Maximum power: 50W
Install size: 75mm



FC-F-0112
(LLD100S)

LLD100S-AC/AC converter(100W)
Input voltage:220/240 Volts or 110/120 Volts AC
Output voltage:110/120 Volts or 220/240 Volts AC
Input plug:ET. AT. SAA.



FC-F-0113
(LLD100)

LLD100-AC/AC converter(100W)
Input voltage:220/240 Volts or 110/120 Volts AC
Output voltage:110/120 Volts or 220/240 Volts AC
With power ON/OFF switch
Input plug:ET. AT. SAA.



FC-F-0114
(LLD150)

LLD150-AC/AC converter(150W)
Input voltage:220/240 Volts or 110/120 Volts AC
Output voltage:110/120 Volts or 220/240 Volts AC
With power ON/OFF switch
Input plug:ET. AT. SAA.



FC-F-0115
(LLD200)

LLD200-AC/AC converter(200W)
Input voltage:220/240 Volts or 110/120 Volts AC
Output voltage:110/120 Volts or 220/240 Volts AC
With power ON/OFF switch
Input plug:ET. AT. SAA.



FC-F-0116
(LLD40ASC)

LLD40ASC-Automatic AC converter (40W)
Input voltage:110/120V=220/240V AC
Input plug:AT. ET. or ET. AT. BS. SAA.
Automatic AC voltage detection.
Thermal fuse protection Safety breaker device
With Red lamp-220V input, Green lamp-110V input



FC-F-0117
(LLD80ASC)

LLD80ASC-Automatic AC converter (80W)
Input plug:ET. AT. BS. SAA.
Input voltage:220/240V=110/120V AC
Automatic AC voltage detection.
Thermal fuse protection Safety breaker device
With Red lamp-220V input, Green lamp-110V input



FC-F-0118
(LLD80AB)

LLD80AB-AC/AC converter (80W)
Input plug:AT. ET. or ET. AT. BS. SAA.
Input voltage:220/240V or 110/120V AC
Output voltage:110/120V or 220/240V AC



FC-F-0119
(LLD80)

LLD80-AC/AC converter (80W)
Input plug:AT. ET. ST.
Input voltage:220/240V or 110/120V AC
Output voltage:110/120V or 220/240V AC



FC-F-0120
(LLD50)

AC/AC voltage converter (50W)
Input voltage:220/240 Volts or 110/120 Volts AC
Output voltage:110/120 Volts or 220/240 Volts AC
Input plug:ET. AT.



FC-F-0121
(LLD50AB)

AC/AC voltage converter (50W)
Input voltage:220/240 Volts or 110/120 Volts AC
Output voltage:110/120 Volts or 220/240 Volts AC
Input plug:ET. AT.



FC-F-0122
(LLD50C)

AC/AC voltage converter (50W)
Input voltage:220/240 Volts or 110/120 Volts AC
Output voltage:110/120 Volts or 220/240 Volts AC
Input plug:ET. AT. ST.



FC-F-0123
(LLD50U)

AC/AC voltage converter (50W)
Input voltage:220/240 Volts or 110/120 Volts AC
Output voltage:110/120 Volts or 220/240 Volts AC
Input plug:ST.



FC-F-0124

Input voltage range: 85~265VAC/30~100VDC
 Efficiency: ≥80%
 Over loading: ≥120%
 Short circuit protection
 The leg size of the module power supply according to customer's request.

SINGLE OUTPUT SERIES	INPUT VOLTAGE RANGE		OUTPUT VOLTAGE		OUTPUT CURRENT	
			Vout1	Vout1	Iout1	Iout2
MPS-03	85V-265V	/ 100V-265V	3.3V	3.3V	1180mA	
MPS-05	85V-265V	/ 100V-265V	5V	5V	780mA	
MPS-09	85V-265V	/ 100V-265V	9V	9V	430mA	
MPS-12	85V-265V	/ 100V-265V	12V	12V	320mA	
MPS-15	85V-265V	/ 100V-265V	15V	15V	260mA	
MPS-20	85V-265V	/ 100V-265V	20V	20V	195mA	
MPS-24	85V-265V	/ 100V-265V	24V	24V	160mA	

DOUBLE OUTPUT SERIES	INPUT VOLTAGE RANGE		OUTPUT VOLTAGE		OUTPUT CURRENT	
			Vout1	Vout1	Iout1	Iout2
MPS-0512	85V-265V	/ 100V-265V	12V	5V	200mA	300mA
MPS-0524	85V-265V	/ 100V-265V	24V	5V	100mA	300mA
MPS-0312	85V-265V	/ 100V-265V	12V	3.3V	200mA	400mA
MPS-0324	85V-265V	/ 100V-265V	24V	3.3V	100mA	400mA
MPS-0505	85V-265V	/ 100V-265V	-5V	5V	380mA	380mA
MPS-1212	85V-265V	/ 100V-265V	-12V	12V	160mA	160mA
MPS-1515	85V-265V	/ 100V-265V	-15V	15V	130mA	130mA



FC-F-0125

AC-DC Installation-type power supply
 Single-channel Output
 SDA-35-5 Output: 5V/7A
 SDA-35-12 Output: 12V/3A
 SDA-35-15 Output: 15V/2.4A
 SDA-35-24 Output: 24V/1.5A



FC-F-0126

AC-DC Installation-type power supply
 Single-channel Output
 SDA-200-5 Output: 5V/40A
 SDA-200-7.5 Output: 7.5V/26.7A
 SDA-200-9 Output: 9V/22.5A
 SDA-200-12 Output: 12V/16.7A
 SDA-200-15 Output: 15V/13.3A
 SDA-200-24 Output: 24V/8.3A
 SDA-200-48 Output: 48V/4.2A



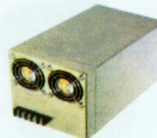
FC-F-0127

AC-DC Installation-type power supply
 Single-channel Output
 SDA-320-5 Output: 5V/60A
 SDA-320-7.5 Output: 7.5V/40A
 SDA-320-9 Output: 9V/33A
 SDA-320-12 Output: 12V/25A
 SDA-320-15 Output: 15V/20A
 SDA-320-24 Output: 24V/12.5A
 SDA-320-48 Output: 48V/6.3A



FC-F-0128

AC-DC Installation-type power supply
 Single-channel Output
 SDA-400-9 Output: 9V/45A
 SDA-400-12 Output: 12V/33A
 SDA-400-24 Output: 24V/16.7A
 SDA-400-27 Output: 27V/14.8A
 SDA-400-36 Output: 36V/11A
 SDA-400-48 Output: 48V/8.5A



FC-F-0129

AC-DC Installation-type power supply
 Single-channel Output
 SDA-500-12 Output: 12V/42A
 SDA-500-24 Output: 24V/21A
 SDA-500-48 Output: 48V/11A



FC-F-0130

AC-DC Installation-type power supply
 Single-channel Output
 SDA-750-24 Output: 24V/32A
 SDA-750-27 Output: 27V/27.8A
 SDA-750-36 Output: 36V/21A
 SDA-750-48 Output: 48V/16A



FC-F-0131

AC-DC Installation-type power supply
 Two-channel Output
 SDB-30A Output: +5V4A; +12V1A
 SDB-30B Output: +5V2A; +24V1A
 SDB-30C Output: +5V4A; +9V1A



FC-F-0132

AC-DC Installation-type power supply
 Two-channel Output
 SDB-50A Output: +5V6A; +12V2A
 SDB-50B Output: +5V6A; +24V1A
 SDB-50C Output: +5V8A; +9V1A



FC-F-0133

AC-DC Installation-type power supply
 Two-channel Output
 SDB-100A Output: +5V18A; +7V1A
 SDB-100B Output: +5V18A; +9V1A
 SDB-100C Output: +5V18A; +12V1A
 SDB-100D Output: +5V18A; +15V1A
 SDB-100E Output: +5V16A; +24V1A



FC-F-0134
 (SDC-15A, SDC-15B)
 AC-DC Installation-type power supply
 Three-channel Output
 SDC-15A Output: +5V2A; +12V0.2A; -12V0.2A
 SDC-15B Output: +5V2A; +5V0.5A; -5V0.5A



FC-F-0135
 (SDC-20A, SDC-20B)
 AC-DC Installation-type power supply
 Three-channel Output
 SDC-20A Output: +5V3A; +12V0.3A; -12V0.2A
 SDC-20B Output: +5V3A; +5V0.5A; -5V0.5A



FC-F-0136
 (SDC-30A, SDC-30B, SDC-30C)
 AC-DC Installation-type power supply
 Three-channel Output
 SDC-30A Output: +5V3A; +12V1A; -5V0.5A
 SDC-30B Output: +5V3A; +12V1A; -12V0.5A
 SDC-30C Output: +5V3A; +15V0.5A; -15V0.5A



FC-F-0137
 (SDD-50A)
 AC-DC Installation-type power supply
 Four-channel Output
 Output: +5V7A; +12V1A; -5V0.5A; -12V0.5A



FC-F-0138
 (SDD-100A, SDD-100B, SDD-100C)
 AC-DC Installation-type power supply
 Four-channel Output
 SDD-100A Output: +5V13A; +12V2A; -5V1A; -12V1A
 SDD-100B Output: +5V11A; +15V2A; -5V1A; -15V1A
 SDD-100C Output: +5V8A; +12V1A; 24V1A; -12V1A



FC-F-0139
 (SDCB-50H, SDCB-50I, SDCB-50J, SDCB-50K)
 AC-DC Installation-type power supply
 Two-channel Integrated-Grounding
 SDCB-50H Output: +5V6A; +12V1A; +5V2A; -5V2A
 SDCB-50I Output: +13.5V1.8A; +13.5V1.8A; -13.8V1.8A
 SDCB-50J Output: +26.5V0.9A; +26.5V0.9A; -26.5V0.9A
 SDCB-50K Output: +5V5A; +13.5V1.7A; -13.5V1.7A



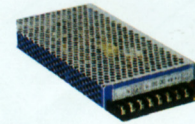
FC-F-0140
 DC-DC Switching Power Supply
 Single-channel Output

Type No.	Input vol.	Output
SDZA-25A-5	9.2V-18V	5V5A
SDZA-25A-12	9.2V-18V	12V2.1A
SDZA-25A-24	9.2V-18V	24V1.1A
SDZA-25B-5	19V-36V	5V5A
SDZA-25B-12	19V-36V	12V2.1A
SDZA-25B-24	19V-36V	24V1.1A
SDZA-25C-5	36V-72V	5V5A
SDZA-25C-12	36V-72V	12V2.1A
SDZA-25C-24	36V-72V	24V1.1A



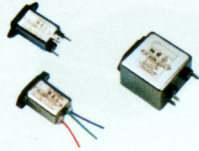
FC-F-0141
 DC-DC Switching Power Supply
 Single-channel Output

Type No.	Input vol.	Output
SDZA-50A-5	9.2V-18V	5V10A
SDZA-50A-12	9.2V-18V	12V4.2A
SDZA-50A-24	9.2V-18V	24V2.1A
SDZA-50B-5	19V-36V	5V10A
SDZA-50B-12	19V-36V	12V4.2A
SDZA-50B-24	19V-36V	24V2.1A
SDZA-50C-5	36V-72V	5V10A
SDZA-50C-12	36V-72V	12V4.2A
SDZA-50C-24	36V-72V	24V2.1A



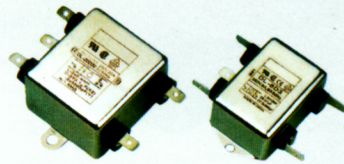
FC-F-0142
 DC-DC Switching Power Supply
 Three-channel Output

Type No.	Input vol.	Output
SDZC-25A-A	9.2V-18V	5V3A; +12V0.5A; -12V0.2A
SDZC-25B-A	19V-36V	5V3A; +12V0.5A; -12V0.2A
SDZC-25C-A	36V-72V	5V3A; +12V0.5A; -12V0.2A



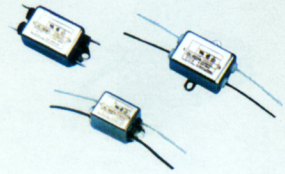
FC-F-0143

This general purpose family offers IEC320-compliant power entry, and the convenience to change output connections. Very low leakage current makes DZW Series suitable for medical instruments and apparatus. DZB mode provides high attenuation both common-mode and differential mode interferences.



FC-F-0144

The D Series EMI power line filters are general purpose common-mode and differential-mode filters. They are suited in applications where pulsed, continuous and/or intermittent electromagnetic interference may occur.



FC-F-0145

The families of DX and DW are designed specially to meet very low leakage current requirements. DX family is cord leads type.



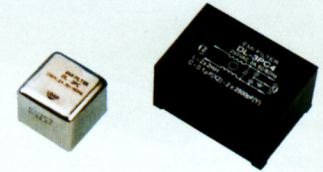
FC-F-0146

This Series of EMI Power Line Filter has been developed specifically for switching power supplies, converters. The DWH models meet the very low leakage current requirements of portable equipment and medical equipment.



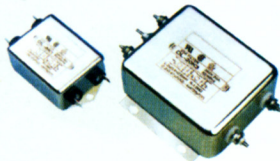
FC-F-0147

The DT Series are compact designed units that feature: High attenuation at low frequency band. The DT Series has been widely accepted by copy machines, vending machines and microcomputer based equipments, etc.



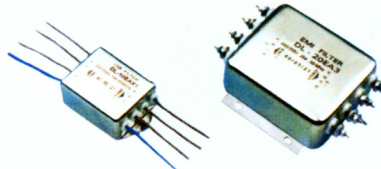
FC-F-0148

The PC family are designed for PCB mounting. It is very suitable for various instruments and digit-apparatus. Two forms of case are available: metal case and plastic case, and the latter will be most suitable for high-density mounting.



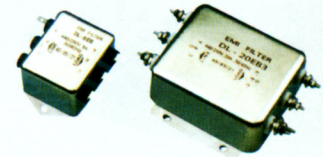
FC-F-0149

K series and T series Power Line Filters featured in superior attenuation to both common-mode and differential-mode interferences, thus quite suitable for most digital equipments, particularly switching power supplies. The T Series are well suited for low impedance loads where noisy electromagnetic interference environments exist.



FC-F-0150

The EA family, a general purpose unit, is designed for 3-phase 4-line power supply systems, suitable for both WYE connection DELTA connection. They are effective for both balanced and unbalanced three phase loads.



FC-F-0151

This family of EB is designed for 3-phase 3-line DELTA connection system. It offers a compact and cost-effective solution for suppressing noise in switching power supplies, frequency converters, as well as power electronic apparatus.



FC-F-0152

The EAT, EAK Series EMI power line filters are high performance filters designed for 3-phase, four-line power supply system. They are suited for power supplies for data systems, telecom systems, equipment, and industrial installations.



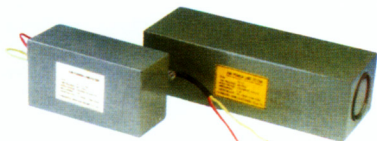
FC-F-0153

This EBT, EBK Series offers high performance, most suitable for 3-phase 3-line connection system use, particularly for industrial frequency inverters and power driving systems.



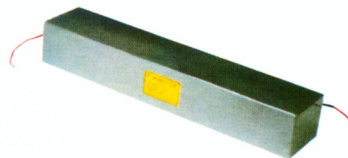
FC-F-0154

F family is a DC current filter offering excellent performance for suppressing both common-mode and differential-mode interferences.



FC-F-0155

The A Series EMI power line filters are designed to provide superior filter performance with no degradation due to the large peak currents, suitable for use in installations, general purpose shielded rooms, as well as movable shielded cabinet containing electronic equipments.



FC-F-0156

The B, C Series EMI power line filters have been developed specially for high performance shielded rooms. This upper frequency of the suppressed frequency spectrum as high as 40 GHz is available on request.



FC-F-0157

The XL Series EMI filters have been developed specifically for connecting communication lines into shielded rooms

E-mail: ceiecz@public.cz.js.cn

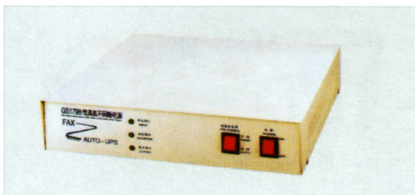
Http://www.ceiecz.com

Tel: +86-519-6600389

Fax: +86-519-6607378, 6606496

UNINTERRUPTABLE POWER SUPPLY

BATTERY CHARGER



FC-F-0158
(GS1798)
Fax auto UPS
The Rated capacity: 200VA
Input Voltage: 220V±20%
Output Voltage: 220V±3%
Inverter Output Voltage: 220V±3%



FC-F-0159
(UPS500)
UPS/500W be connected with two units of computers and two units of narrow lined printers.
Output Power: 500W
Working time: 13 minutes



FC-F-0160
(UPS1000)
Output Power: 1000W
Working time: 13minutes



FC-F-0161
(GS-12KVA)
On line UPS
Power Supply Time: Standard Time
Battery Configuration/1PCS: 4 Ah 12V 10 module



FC-F-0162
(DSP-1KVA)
High frequency online sine wave UPS
Power Supply Time: Standard Time
Battery Configuration/1PCS: 7 Ah 12V



FC-F-0163
(LLD501)
Plug-in type
AT, ET (can be hidden)
It is advance electronic circuit for charging AAA, AA or 9V Ni-Cd batteries
With one green and three or two red charging LED indicator.



FC-F-0164
(LLD502)
Plug-in type
AT, ET (can be hidden)
It is advance electronic circuit for charging AAA, AA or 9V Ni-Cd batteries
With one green and three or two red charging LED indicator.



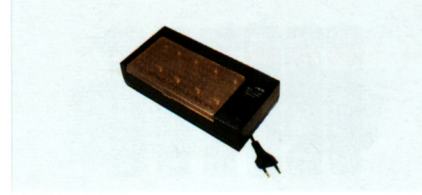
FC-F-0165
(LLD503)
Plug-in type
AT, ET (can be hidden)
It is advance electronic circuit for charging AAA, AA or 9V Ni-Cd batteries
With one green and three or two red charging LED indicator.
When charging over, the LED indicator will die out



FC-F-0166
(LLD504)
Desk top type(for 1-4pcs AA or AAA size batteries)
Input Plug: ET, AT, BS, SAA
Can quick charger



FC-F-0167
(LLD505)
Plug-in type(for 2 or 4pcs AA size batteries)
Input Plug: ST, ET
Charging LED indicator



FC-F-0168
(LLD2509)
Desk top type(for AAA, AA, C, D and block 9V size batteries)
Input Plug: ET, AT, BS, SAA



FC-F-0169
(LLD506)
Plug-in type
Input voltage: 110V or 220V
Output voltage: 1.2V 150mA, 1.2V 50mA, 9V 10mA
Input plug: AT, ET, SAA, VDE, ST
1 to 4 pieces AA or AAA or 1 piece 9V batteries can be charged at the same time.
Automatic polarity reverse protection
Charging LED indicator



FC-F-0170
(LLD2508)
Desk top type
Input voltage: 110V or 220V or 110/220V AC
Output voltage: 2.4V 240mA, 9V 14mA, 1.5V
Input plug: ET, AT, BS, SAA
For charging D, C, AA, AAA and 9V Ni-Cd batteries
2 or 4pcs AA size (or AAA size or C size or D size) and 1 or 1-2pcs of 9V can be charged at the same time.
Charging LED indicator. Polarity reverse protection.



FC-F-0171
(LLD510)
Desk top type
Input voltage: 110V or 220V or 110/220V AC
Output voltage: For AAA size: DC 2.5V-80mA x4
For AA size: DC 2.5V-150mA x4
Input plug: ET, AT, BS, SAA



FC-F-0172
(LLD12270C/2.7A)
 Input voltage: 110V 60Hz AC or 220V 50Hz AC
 Output Voltage: 6V & 12V
 Input plug: ET, AT, BS, SAA
 Output plug: red and black binding post
 red and black battery clip



FC-F-0173
(LLD12600C/6A)
 Input voltage: 110V 60Hz AAC or 220V 50Hz AC
 Output Voltage: 12V
 Input plug: ET, AT, BS, SAA
 Output plug: red and black binding post
 red and black battery clip



FC-F-0174
(LLD121200C/12A)
 Input voltage: 110V 60Hz AAC or 220V 50Hz AC
 Output Voltage: 12V
 Input plug: ET, AT, BS, SAA
 Output plug: red and black binding post
 red and black battery clip



FC-F-0175
(SR Series button Silver Oxide Batteries)
 Nominal capacity(mAh): 13~165
 Maximum Dimension(mm): 5.8x2.15~11.6x5.4



FC-F-0176
(CR Series button Lithium Manganese Dioxide Batteries)
 Nominal Capacity (mAh): 40~200
 Maximum Dimension(mm): 16x1.6~20x3.2



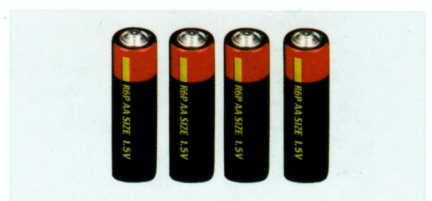
FC-F-0177
(LR Series Alkaline Manganese Dioxide Batteries)
 LR6(AA AM-3) Maximum Dimension: 14.5x50.5mm
 LR03(AAA AM-4) Maximum Dimension: 10.5x44.5mm
 Nominal Voltage: 1.5V



FC-F-0178
(R20)
 Round Zinc Manganese Dry Batteries
 Zinc manganese Batteries With Shrinkage Tube
 Maximum Dimension (øxH): 34.2x61.5 mm



FC-F-0179
(R14C)
 Round Zinc Manganese Dry Batteries
 High Capacity Batteries With Shrinkage Tube
 Maximum Dimension (øxH): 26.2x50mm
 Nominal Voltage: 1.5V



FC-F-0180
(R6P)
 Round Zinc Manganese Dry Batteries
 Supper Power Batteries
 With shrinkage Tube
 Maximum Dimension(øxH): 14.5x50.5mm
 Nominal Voltage: 1.5V



FC-F-0181
(R03P)
 Round Zinc Manganese Dry Batteries
 Super Power Batteries With Shrinkage Tube.
 Maximum Dimension (øxH): 10.5x44.5mm
 Nominal Voltage: 1.5V



FC-F-0182
(R6P METAL)
 Round Zinc Manganese Dry Batteries
 Super Power Batteries With Metal Jacket
 Maximum Dimension (øxH): 14.5x50.5mm
 Nominal Voltage: 1.5V



FC-F-0183
(6FF22)
 Square Zinc Manganese Dry Batteries
 Super Power Batteries With Metal Jacket
 Maximum Dimension(LxWxH): 26.5x17.5x48.5mm
 Nominal Voltage: 9V



FC-F-0184
(CR123A)
 CR Series button Lithium Manganese Dioxide Batteries
 Super Power Round Lithium Manganese Batteries
 Maximum Dimension (øxH): 17.0x33.5mm
 Nominal Voltage :3.0V



FC-F-0185
(FM612)
6V 1.2AH



FC-F-0186
(FM630)
6V 3.0AH



FC-F-0187
(FM632A)
6V 3.2AH



FC-F-0188
(FM640E)
6V 4.0AH



FC-F-0189
(FM650)
6V 5.0AH



FC-F-0190
(FM660)
6V 6.0AH



FC-F-0191
(FM6100A)
6V 10AH



FC-F-0192
(FM6100B)
6V 10AH



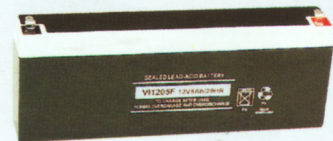
FC-F-0193
(FM1223)
12V 2.3AH



FC-F-0194
(FM1230)
12V 3.0AH



FC-F-0195
(FM1245)
12V 4.5AH



FC-F-0196
(FM1250B)
12V 5.0AH



FC-F-0197
(FM1270)
12V 7.0AH



FC-F-0198
(FM12100)
12V 10AH



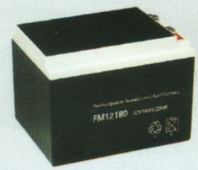
FC-F-0199
(FM12120)
12V 12AH



FC-F-0200
(FM12160)
12V 16AH



FC-F-0201
(FM12170)
12V 17AH



FC-F-0202
(FM12180)
12V 18AH



FC-F-0203
(FM612)
6V 1.2AH



FC-F-0204
(FM630)
6V 3.0AH



FC-F-0205
(FM632)
6V 3.2AH



FC-F-0206
(FM640E)
6V 4.0AH



FC-F-0207
(FM660)
6V 6.0AH



FC-F-0208
(FM1223)
12V 2.3AH



FC-F-0209
(FM1250B)
12V 5.0AH



FC-F-0210
(FM1245)
12V 4.5AH



FC-F-0211
(FM1270)
12V 7.0AH



FC-F-0212
(FM12160)
12V 16AH



FC-F-0213
(FM12180)
12V 18AH



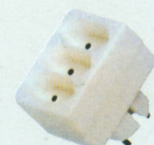
GS S CE

FC-F-0214
(KF-Z-01/2)



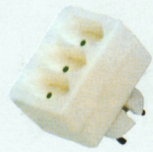
CE

FC-F-0215
(KF-ZB-01/2)



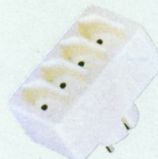
GS S CE

FC-F-0216
(KF-Z-01/3)



CE

FC-F-0217
(KF-ZB-01/3)



S CE

FC-F-0218
(KF-Z-01/4)



CE

FC-F-0219
(KF-ZB-01/4)



S CE

FC-F-0220
(KF-Z-01/01-2)



S CE

FC-F-0221
(KF-ZB-01/01-2)



N S CE

FC-F-0222
(KF-Z-01/02)



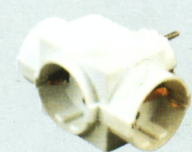
N S CE

FC-F-0223
(KF-ZB-01/02)



S CE

FC-F-0224
(KF-Z-01/03)



CE

FC-F-0225
(KF-ZB-01/03)



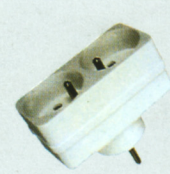
CE

FC-F-0226
(KF-FZ-1/3)



CE

FC-F-0227
(KF-FZB-1/3)



CE

FC-F-0228
(KF-FZ-01/02)



FC-F-0229
(KF-FZB-01/02)



FC-F-0230
(KF-FZ-01/02-1)



FC-F-0231
(KF-FZ-01/03)



FC-F-0232
(KF-FZB-01/02-1)



FC-F-0233
(KF-FZB-01/T03)



FC-F-0234
(KF-FZB-01/2)



FC-F-0235
(KF-FZB-01/3)



FC-F-0236
(KF-FZB-01/4)



FC-F-0237
(KF-FZB-01/02-2)



FC-F-0238
(KF-FZB-01/01)



FC-F-0239
(KF-ZB-01/01-2A)



FC-F-0240
(KF-Z-01/02A)



FC-F-0241
(KF-ZDB-01/01)
OVER-VOLTAGE PROTECTION




FC-F-0242
(KF-Z-1/3A)



FC-F-0243
(KF-AZ-01/02)

E-mail: ceiecz@public.cz.js.cn
 Http://www.ceiecz.com
 Tel: +86-519-6600389
 Fax: +86-519-6607378, 6606496

ADAPTER



APP

FC-F-0244
(KF-AZ-01/02C)



APP

FC-F-0245
(KF-AZ-01/02X)



FC-F-0246
(KF-AZ-01/01LT)
SARGE-PROOF ADAPTER
Telephone Inlet & Display



FC-F-0247
(KF-AZ-01/01LA)
SARGE-PROOF ADAPTER & DISPLAY



FC-F-0248
(KF-AZ-01/02LL)
SARGE-PROOF ADAPTER & DISPLAY



CE

FC-F-0249
(KF-ZQ-01/02)



FC-F-0250
(KF-ZQ-01/03)



CE

FC-F-0251
(KF-Z-01/01-1)



CE

FC-F-0252
(KF-FZB-01/01-2)



CE

FC-F-0253
(KF-E1)



CE

FC-F-0254
(KF-E2)



CE

FC-F-0255
(KF-E3)



CE

FC-F-0256
(KF-E4)



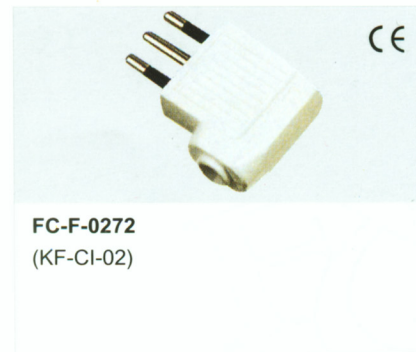
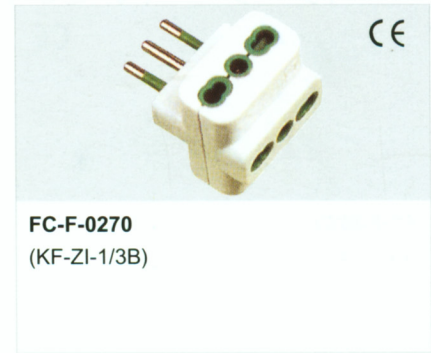
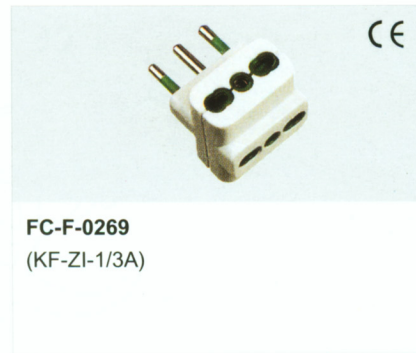
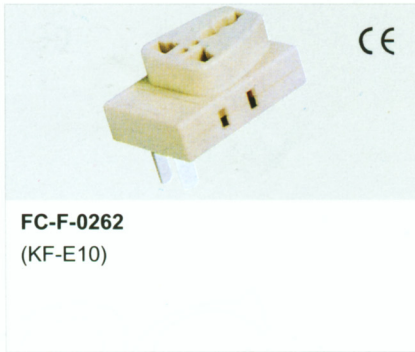
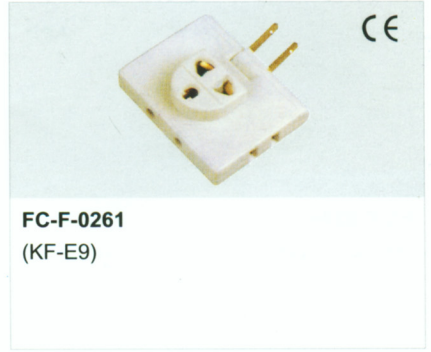
CE

FC-F-0257
(KF-E5)



CE

FC-F-0258
(KF-E6)



E-mail: ceiecz@public.cz.js.cn

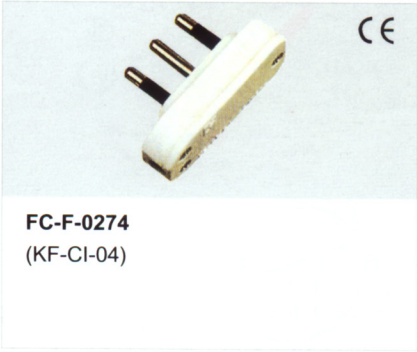
Http://www.ceiecz.com

Tel: +86-519-6600389

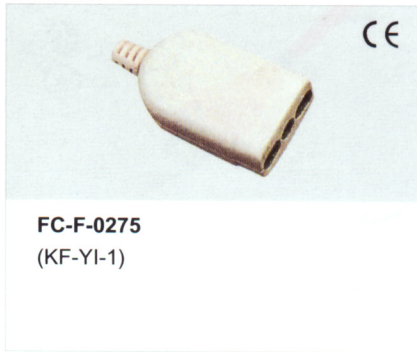
Fax: +86-519-6607378, 6606496

POWER PLUG

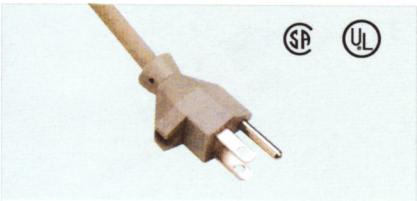
ELECTRIC CABLE



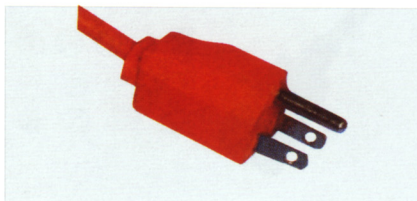
FC-F-0274
(KF-CI-04)



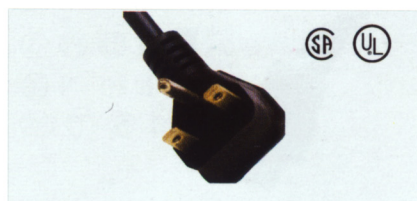
FC-F-0275
(KF-YI-1)



FC-F-0276
(YLD-041)
SUITABLE CABLES:
SJT,SJTOW,18AWG/3C SVT18AWG/3C SJT,SJTO,
SJTW 16 AWG/3C SJTW 18AWG/3C SJT,SJTOW,SJTW
14 AWG/3C



FC-F-0277
(L-08)
SUITABLE CABLES:
SJT
18,16 AWG/3C



FC-F-0278
(YLD-062)
SUITABLE CABLES
SJT,SJTOW 18AWG/3C SVT 18-16AWG/3C
SJT,SJTO,SJTW 16AWG/3C SJTW 18AWG/3C SJT,
SJTOW,SJTW 14 AWG/3C SPT-2 16-18 AWG/3C
SPT-3 16-18 AWG/3C



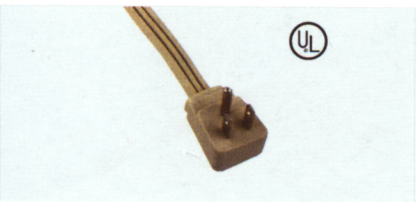
FC-F-0279
(YLD-063)
SUITABLE CABLES
SJT,SJTO,SJTW 16AWG/3C SJT, SJTOW,SJTW 14-
10AWG/3C



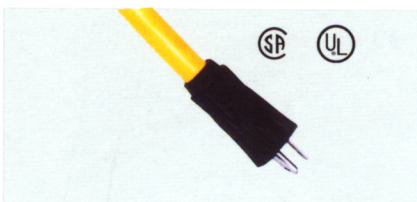
FC-F-0280
(YY-2A)
SUITABLE CABLES
SJT 18 AWG/2C
SVT 18-17AWG/2C



FC-F-0281
(YY-3B)
SUITABLE CABLES:
SPT-2 16-18AWG/3C
SPT-3 16-18AWG/3C



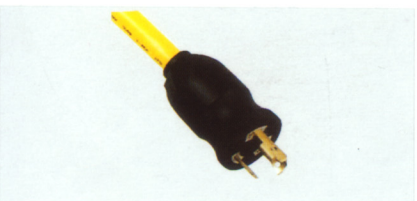
FC-F-0282
(U-16)
SUITABLE CABLES:
SJT,SJTOW,18AWG/3C
SVT 18AWG/3C
SJT,SJTO,SJTW 16AWG/3C
SJTW 18AWG/3C
SJT, SJTOW, SJTW
14AWG/3C
SPT-2 16-18 AWG/2C
SPT-3 16-18 AWG/3C



FC-F-0283
(YLD-046)
SUITABLE CABLES:
SJT,SJTOW,18AWG/3C
SVT 18AWG/3C
SJT,SJTO,SJTW 16AWG/3C
SJTW 18AWG/3C
SJT,SJTOW,SJTW 14AWG/3C



FC-F-0284
(YY-3Z)
SUITABLE CABLES:
SJTW 16-12AWG/3C




FC-F-0285
(YLD-051)
SUITABLE CABLES:
SJT,ST,STW,SJTW,STOW 16AWG/3C
SJT,ST,STW,SJTW,STOW 14-10AWG/3C



FC-F-0286
(YLD-040)
SUITABLE CABLES:
SJT,ST,STW,SJTW,STOW 16AWG/3C
SJT,ST,STW,SJTW,STOW 14-10AWG/3C





FC-F-0287
(YY-2)
SUITABLE CABLES:
SPT-1 18AWG/2C
SPT-2 18-16AWG/2C



FC-F-0288
(YY-2Z)
SUITABLE CABLES:
SPT-2 16AWG/2C






FC-F-0289
(YY-3)
SUITABLE CABLES:
SJT.SJTOW.18AWG/3C
SVT 18-16AWG/3C
SJT.SJTO.SJTW 16AWG/3C
SJTW 18AWG/3C
SJT.SJTOW.SJTW 14AWG/3C
SPT-2 16-18AWG/2C
SPT-3 16-18AWG/3C

FC-F-0290
(YY-3Z)
SUITABLE CABLES:
SJT 16AWG/3C
SJT 14AWG/3C
SJT 12AWG/3C

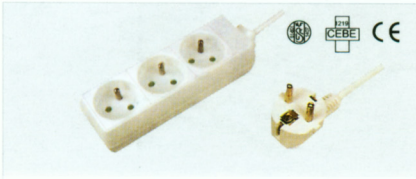



FC-F-0291
(ST3)
SUITABLE CABLES:
227 IEC52
227 IEC53
DL3 4V-75 3x0.75-1.0
H05V V-F 3G0.75-1.0
SJT.SJTOW 18AWG/3C
SVT18-16AWG/3C
SJT.SJTO.SJTW 16AWG/3C
SJTW 18AWG/3C

FC-F-0292
(SZ3)
SUITABLE CABLES:
227 IEC52
227 IEC53
DL3 4V-75 3x0.75-1.0
H05V V-F 3G0.75-1.0
SJT.SJTOW 18AWG/3C
SVT18-16AWG/3C
SJT.SJTO.SJTW 16AWG/3C
SJTW 18AWG/3C

FRENCH TYPE SOCKET



FC-F-0293
(KF-FB-03)



FC-F-0294
(KF-F-03)



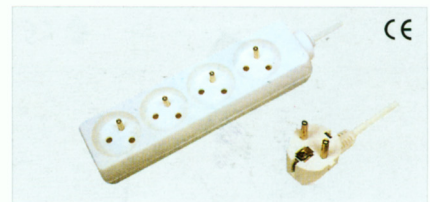
FC-F-0295
(KF-FB-03K)



FC-F-0296
(KF-F-03K)



FC-F-0297
(KF-FB-04)



FC-F-0298
(KF-F-04)



FC-F-0299
(KF-FB-04K)



FC-F-0300
(KF-F-04K)



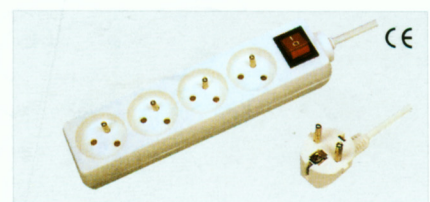
FC-F-0301
(KF-FB-05)



FC-F-0302
(KF-F-05)



FC-F-0303
(KF-FB-05K)



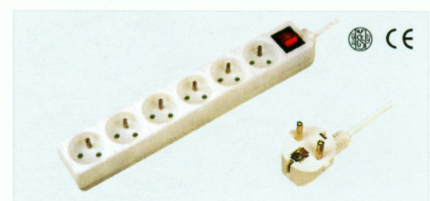
FC-F-0304
(KF-F-05K)



FC-F-0305
(KF-FB-06)



FC-F-0306
(KF-F-06)



FC-F-0307
(KF-FB-06K)



FC-F-0308
(KF-F-06K)



FC-F-0309
(KF-FB-03/4)



FC-F-0310
(KF-F-03/4)



FC-F-0311
(KF-FB-03/4K)



FC-F-0312
(KF-F-03/4K)



FC-F-0313
(KF-FB-S04)



FC-F-0314
(KF-F-S04)



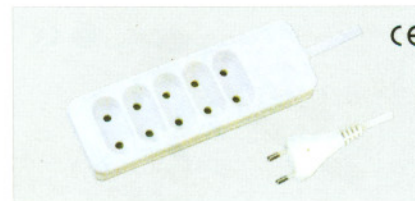
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FC-F-0316
(KF-FB-4)



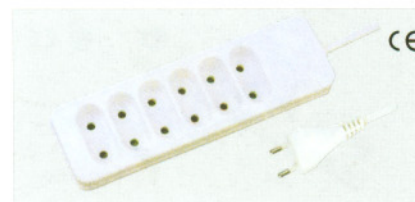
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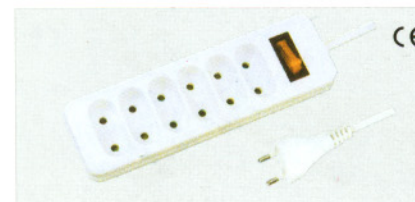
FC-F-0318
(KF-FB-5)



FC-F-0319
(KF-FB-5K)



FC-F-0320
(KF-FB-6)



FC-F-0321
(KF-FB-6K)



FC-F-0322
(KF-FB-03/4A)

E-mail: ceiec@public.cz.js.cn

Http://www.ceiec.com

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FRENCH TYPE SOCKET

GERMAN TYPE SOCKET



FC-F-0323
(KF-F-03/4A)



FC-F-0324
(KF-FBT-06K)



FC-F-0325
(KF-FB-02/2)

GERMAN TYPE SOCKET



FC-F-0326
(G0N3)



FC-F-0327
(G0N3S)



FC-F-0328
(G0C3)



FC-F-0329
(G0C3S)



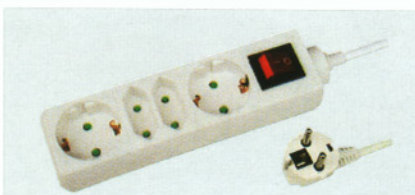
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(G0N2/2)



FC-F-0331
(G0N2/2S)



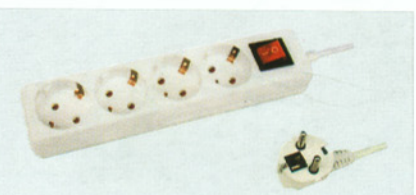
FC-F-0332
(G0C2/2)



FC-F-0333
(G0C2/2S)



FC-F-0334
(G0N4)



FC-F-0335
(G0N4S)



FC-F-0336
(G0C4)



FC-F-0337
(G0C4S)

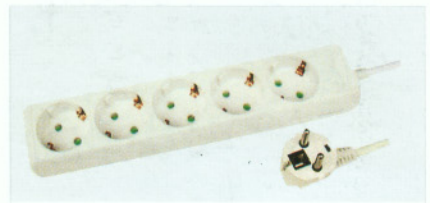




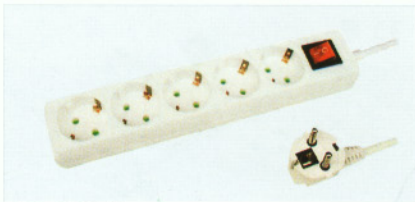
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FC-F-0339
(G0N5S)



FC-F-0340
(G0C5)



FC-F-0341
(G0C5S)



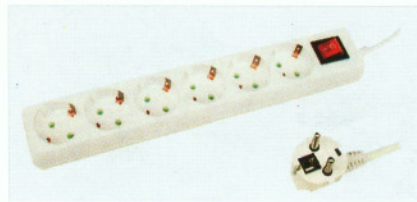
FC-F-0342
(G0N6)



FC-F-0343
(G0N6S)



FC-F-0344
(G0C6)



FC-F-0345
(G0C6S)



FC-F-0346
(G0N4/4)



FC-F-0347
(G0N4/4S)



FC-F-0348
(G0C4/4)



FC-F-0349
(G0C4/4S)



FC-F-0350
(G0NS4)



FC-F-0351
(G0CS4)



FC-F-0352
(G0NS3S)



E-mail: ceiecz@public.cz.js.cn

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Fax: +86-519-6607378, 6606496

GERMAN TYPE SOCKET

FC-F-0353
(G0CS3S)
TUV GS S N FI CE

FC-F-0354
(G0NS3/4)
TUV GS S N FI CE

FC-F-0355
(G0CS3/4)
TUV GS S N FI CE

FC-F-0356
(G0NS3/4S)
TUV GS S N FI CE

FC-F-0357
(G0CS3/4S)
TUV GS S N FI CE

FC-F-0358
(G0NS3/6)
TUV GS S N FI CE

FC-F-0359
(G0CS3/6)
TUV GS S N FI CE

FC-F-0360
(G0NS3/6S)
TUV GS S N FI CE

FC-F-0361
(G0CS3/6S)
TUV GS S N FI CE

HOLLAND TYPE SOCKET

FC-F-0362
(KF-H-03)
KEMA CE

FC-F-0363
(KF-HB₂-03)
KEMA CE

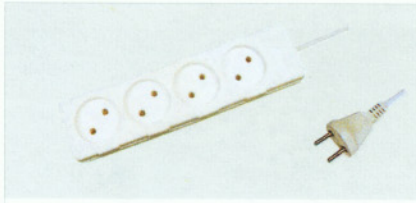
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KEMA N S FI D CE

FC-F-0365
(KF-HB-03K)
KEMA N S FI D CE

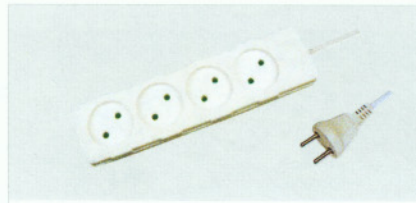
FC-F-0366
(KF-HS-03)
KEMA N S FI D CE

FC-F-0367
(KF-HS-03K)
KEMA N S FI D CE

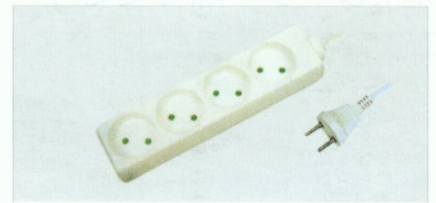
HOLLAND TYPE SOCKET



FC-F-0368
(KF-H-04)
KEMA KEUR CE



FC-F-0369
(KF-HB₂-04)
KEMA KEUR CE



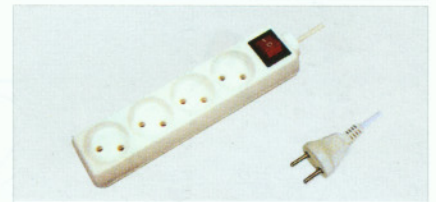
FC-F-0370
(KF-HB-04)
KEMA (N) (S) (FI) (D) CE



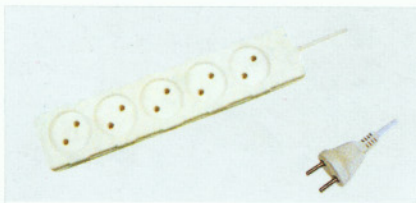
FC-F-0371
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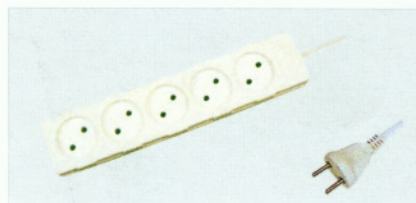
FC-F-0372
(KF-HS-04)
KEMA (N) (S) (FI) (D) CE



FC-F-0373
(KF-HS-04K)
KEMA (N) (S) (FI) (D) CE



FC-F-0374
(KF-H-05)
KEMA KEUR CE



FC-F-0375
(KF-HB₂-05)
KEMA KEUR CE



FC-F-0376
(KF-HB-05)
KEMA (N) (S) (FI) (D) CE



FC-F-0377
(KF-HB-05K)
KEMA (N) (S) (FI) (D) CE



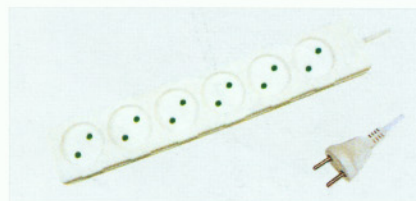
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(KF-HS-05)
KEMA (N) (S) (FI) (D) CE



FC-F-0379
(KF-HS-05K)
KEMA (N) (S) (FI) (D) CE



FC-F-0380
(KF-H-06)
CE



FC-F-0381
(KF-HB₂-06)
CE



FC-F-0382
(KF-HB-06)
KEMA (N) (S) (FI) (D) CE



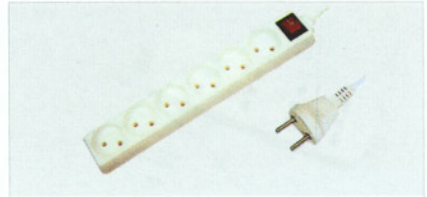
FC-F-0383
(KF-HB-06K)

KEMA (N) (S) (FI) (D) CE



FC-F-0384
(KF-HS-06)

KEMA (N) (S) (FI) (D) CE



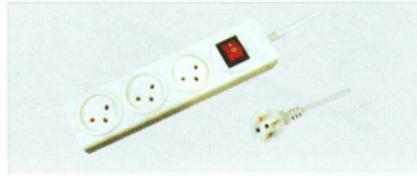
FC-F-0385
(KF-HS-06K)

KEMA (N) (S) (FI) (D) CE

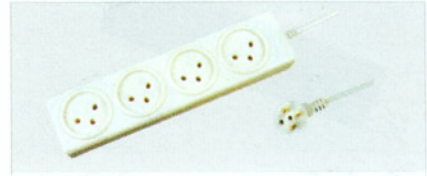
ISRAEL TYPE SOCKET



FC-F-0386
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CE



FC-F-0387
(KF-Q-03K)
CE



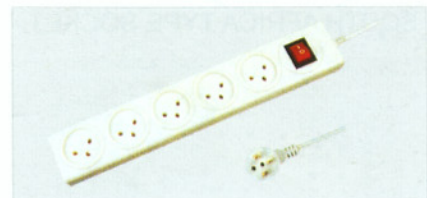
FC-F-0388
(KF-Q-04)
CE



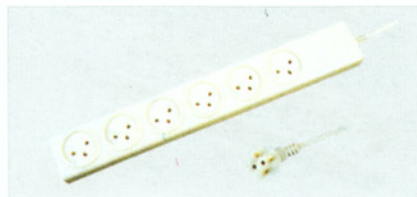
FC-F-0389
(KF-Q-04K)
CE



FC-F-0390
(KF-Q-05)
CE



FC-F-0391
(KF-Q-05K)
CE



FC-F-0392
(KF-Q-06)
CE

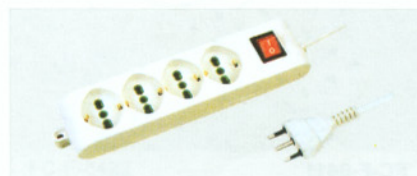


FC-F-0393
(KF-Q-06K)
CE

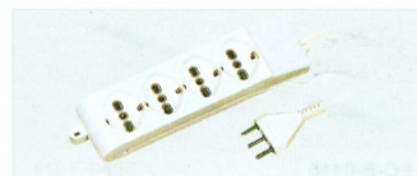


FC-F-0394
(KF-HB-S04)
CE

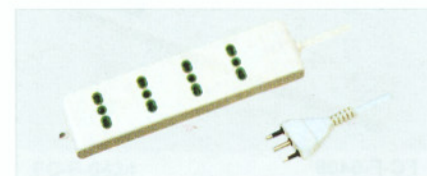
EUROPE TYPE SOCKET



FC-F-0395
(KF-I-04K)
CE

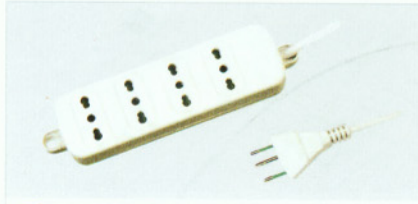


FC-F-0396
(KF-I-04)
CE

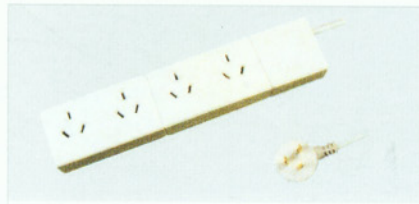


FC-F-0397
(KF-I-04)
CE

GERMAN TYPE SOCKET



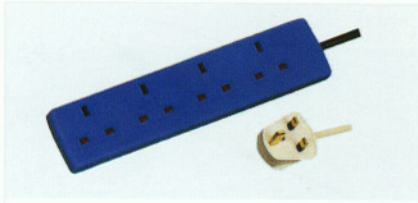
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(KF-ls-04)
CE



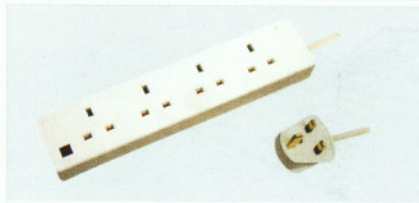
FC-F-0399
(KF-AG-4)
OVER-LOAD PROTECTION
CE



FC-F-0400
(KF-AG-6)
OVER-LOAD PROTECTION
CE

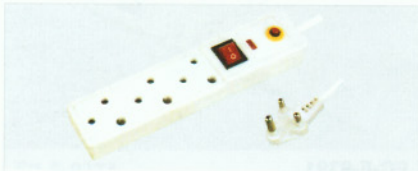


FC-F-0401
(KF-EB-4A)
CE

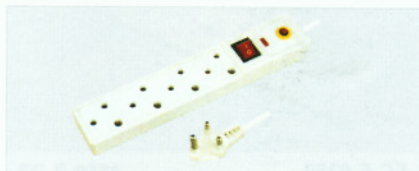


FC-F-0402
(KF-EB-4)
CE

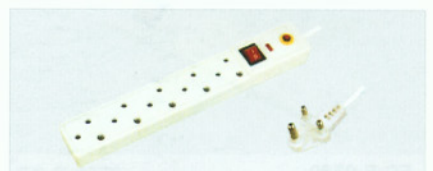
SOUTH AFRICA TYPE SOCKET



FC-F-0403
(KF-ABGD-3)
CE



FC-F-0404
(KF-ABGD-4)
CE



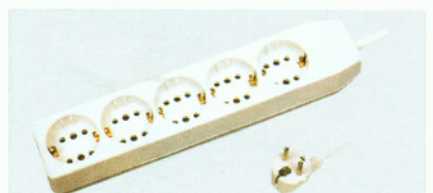
FC-F-0405
(KF-ABGD-5)
CE



FC-F-0406
(KF-ABGD-5A)
CE



FC-F-0407
(KF-03K-A)
CE



FC-F-0408
(KF-05-A)
CE



FC-F-0409
(KF-RB-02/04K)
CE



FC-F-0410
(KF-RB-02/04)
CE



FC-F-0411
(KF-ABGS-6)
CE

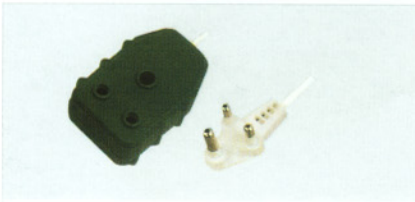
SOUTH AFRICA SOCKET

Fax:+86-519-6607378, 6606496

Tel:+86-519-6600389

Http://www.ceiec.com

E-mail:ceiec@public.cz.js.cn



FC-F-0412
(KF-AB-2)
CE

EXTENSION CORD



FC-F-0413
(KF-Y1-01P)

CE



FC-F-0414
(KF-BY1-01P)

CE(S)
N(FI)



FC-F-0415
(KF-Y2-01P)

CE



FC-F-0416
(KF-BY2-01P)

CE



FC-F-0417
(KF-Y3-01P)

CE



FC-F-0418
(KF-BY3-01P)

CE



FC-F-0419
(KF-Y5-01P)

S(N)
CE(FI)



FC-F-0420
(KF-BY5-01P)

S(D)CE
N(FI)



FC-F-0421
(KF-Y6-01P)

CE



FC-F-0422
(KF-Y7-01)

CE



FC-F-0423
(KF-BY8-01)

CE

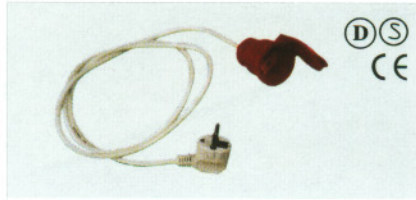


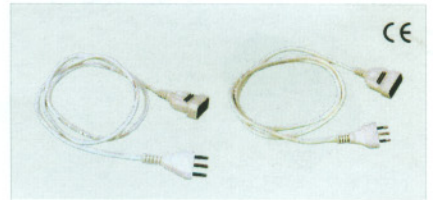
FC-F-0424
(KF-Y8-01)

CE

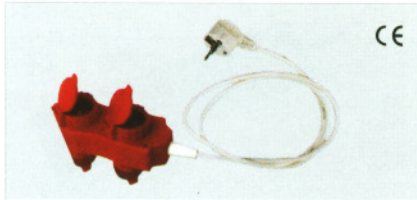


CE

FC-F-0425
 (KF-EY-1)

 (D) (S)
 CE

FC-F-0426
 (KF-PY-01)


CE

FC-F-0427
 (KF-Y11-1A)


CE

FC-F-0428
 (KF-PY-02/02)


CE

FC-F-0429
 (KF-PY-02)


CE

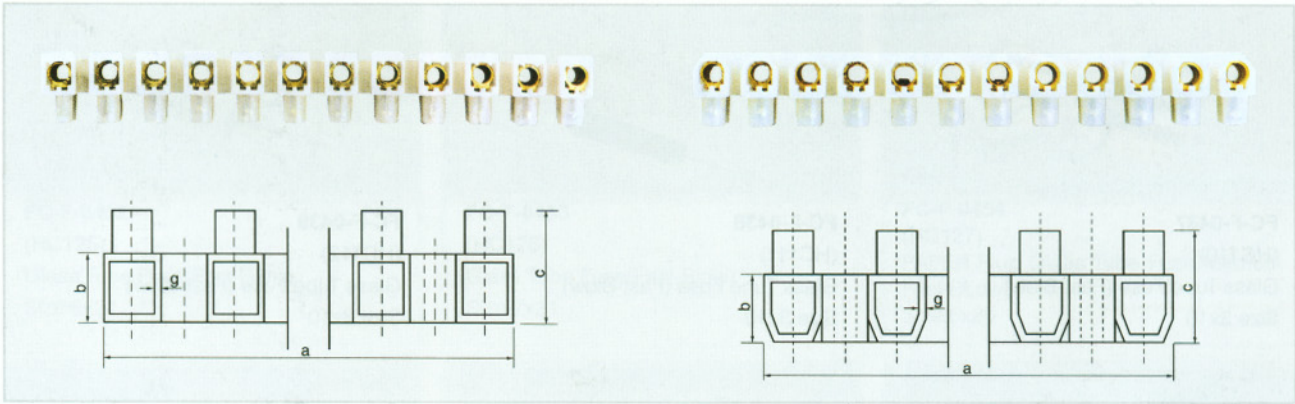
FC-F-0430
 (KF-QY-01)

E-mail: ceiecz@public.cz.js.cn

Http://www.ceiecz.com

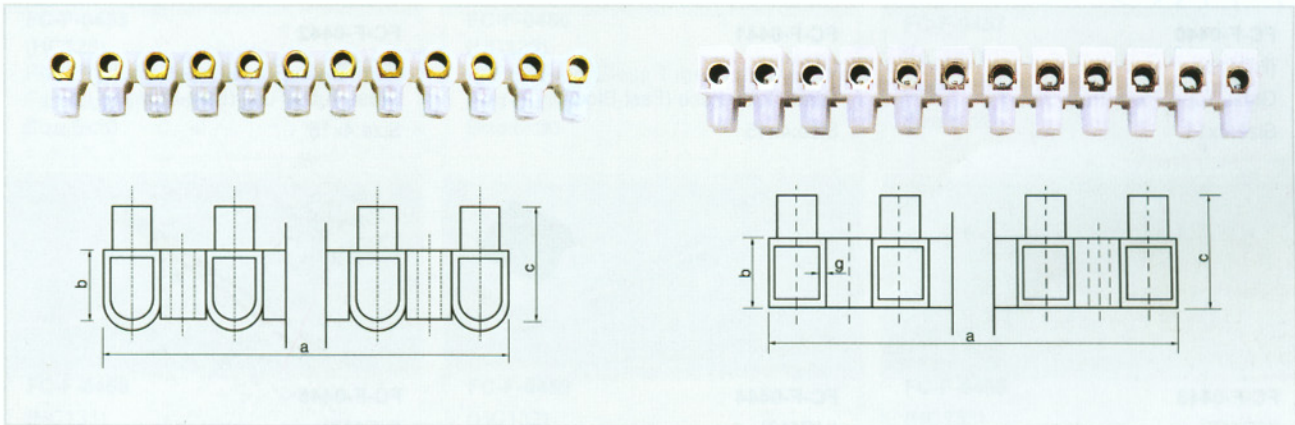
Tel: +86-519-6600389

Fax: +86-519-6607378, 6606496



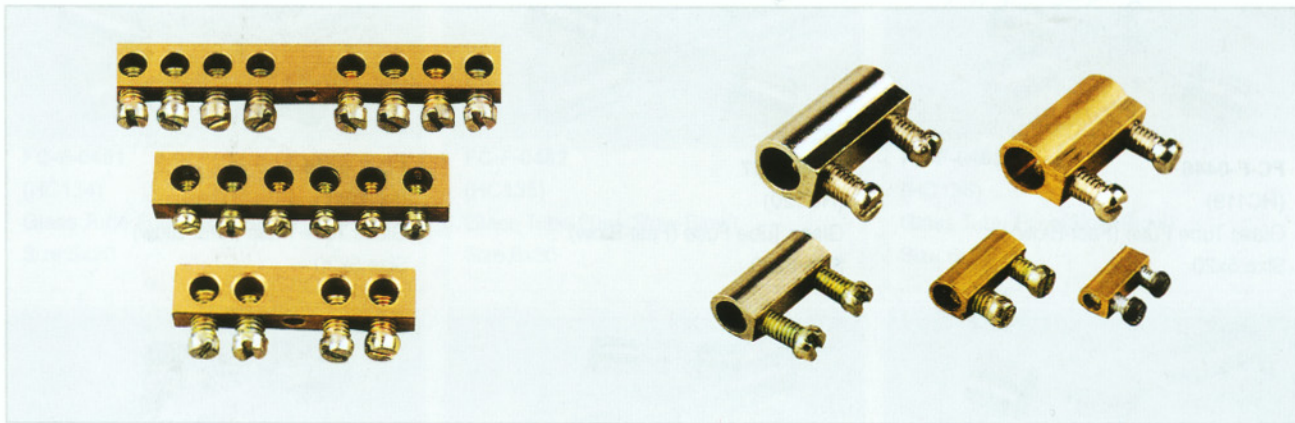
FC-F-0431
(H-Type Terminal Block)
3A, 5A, 6A, 10A, 15A, 30A, 60A, 80A, 100A, 150A,

FC-F-0432
(F-Type Terminal Block)
3A, 6A, 10A, 15A, 30A, 60A, 80A



FC-F-0433
(W-Type Terminal Block)
3A, 5A, 6A, 10A, 15A, 20A, 30A, 60A, 80A,

FC-F-0434
(VDE Standard Terminal Block)



FC-F-0435
Copper Connector Block

FC-F-0436
Copper Connector



FC-F-0437
(HC110)
Glass Tube Fuse (Fast-Blow)
Size:3x10



FC-F-0438
(HC111)
Glass Tube Fuse (Fast-Blow)
Size:3x10



FC-F-0439
(HC112)
Glass Tube Fuse (Fast-Blow)
Size:3x10



FC-F-0440
(HC113)
Glass Tube Fuse (Fast-Blow)
Size:4x11



FC-F-0441
(HC114)
Glass Tube Fuse (Fast-Blow)
Size:4x15



FC-F-0442
(HC115)
Glass Tube Fuse (Fast-Blow)
Size:4x15



FC-F-0443
(HC116)
Temperature Limited Fuse
Size:0.5x80



FC-F-0444
(HC117)
Temperature Limited Fuse
Size:6x67



FC-F-0445
(HC118)
Temperature Limited Fuse
Size:8x91/4x91



FC-F-0446
(HC119)
Glass Tube Fuse (Fast-Blow)
Size:5x20



FC-F-0447
(HC120)
Glass Tube Fuse (Fast-Blow)
Size:6x30



FC-F-0448
(HC121)
Glass Tube Fuse (Fast-Blow)
Size:5x20



FC-F-0449
(HC122)
Glass Tube Fuse (Fast-Blow)
Size:6x30



FC-F-0450
(HC123)
Glass Tube Fuse (Fast-Blow)
Size:6x21



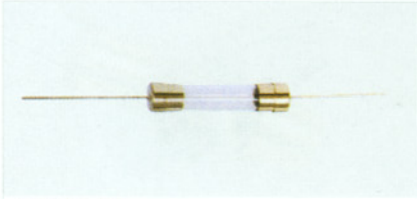
FC-F-0451
(HC124)
Glass Tube Fuse (Fast-Blow)
Size:7x31

E-mail: ceiecz@public.cz.js.cn

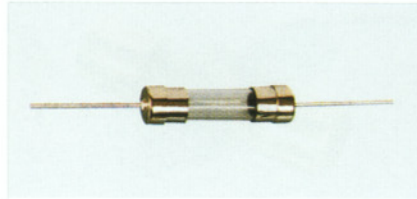
Http://www.ceiecz.com

Tel: +86-519-6600389

Fax: +86-519-6607378, 6606496



FC-F-0452
(HC125)
Glass Tube Fuse(Fast-Blow)
Size:6x21



FC-F-0453
(HC126)
Glass Tube Fuse(Fast-Blow)
Size:7x31



FC-F-0454
(HC127)
PAPER Plug Glass Tube Fuse(Medium Fast-BLOW)
Size:5x20



FC-F-0455
(HC128)
PAPER Plug Glass Tube Fuse(Medium Fast-BLOW)
Size:5x20



FC-F-0456
(HC129)
PAPER Plug Glass Tube Fuse(Medium Fast-BLOW)
Size:6x30



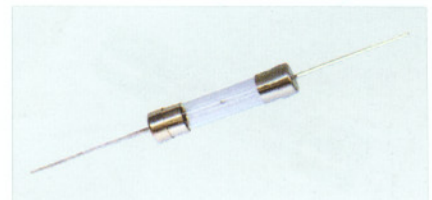
FC-F-0457
(HC130)
Glass Tube Fuse(Medium Slow-Blow)
Size:5x20



FC-F-0458
(HC131)
Glass Tube Fuse(Medium Slow-Blow)
Size:6x30



FC-F-0459
(HC132)
Glass Tube Fuse(Medium Slow-Blow)
Size:6x21



FC-F-0460
(HC133)
Glass Tube Fuse(Medium Slow-Blow)
Size:7x31



FC-F-0461
(HC134)
Glass Tube Fuse(Slow-Blow)
Size:5x20



FC-F-0462
(HC135)
Glass Tube Fuse(Slow-Blow)
Size:6x30



FC-F-0463
(HC136)
Glass Tube Fuse(Slow-Blow)
Size:6x21



FC-F-0464
(HC137)
Glass Tube Fuse(Slow-Blow)
Size:7x31



FC-F-0465
(HC138)
Glass Tube Fuse(Slow-Blow)
Size:5x20



FC-F-0466
(HC139)
Glass Tube Fuse(Slow-Blow)
Size:6x31



FC-F-0467
(HC140)
NO GOLD-PLATING
Glass Tube Fuse(Fast-Blow)
Size:10x38



FC-F-0468
(HC141)
HALF GOLD-PLATING
Glass Tube Fuse(Fast-Blow)
Size:10x38



FC-F-0469
(HC142)
FULL GOLD-PLATING
Glass Tube Fuse(Fast-Blow)
Size:10x38



FC-F-0470
(HC143)
Glass Tube Fuse(Fast-Blow)



FC-F-0471
(HC144)
Glass Tube Fuse(Fast-Blow)
Size:6x25



FC-F-0472
(HC145)
Glass Tube Fuse(Fast-Blow)
Size:6x30



FC-F-0473
(HC146)
Glass Tube Fuse(Fast-Blow)
Size:6x32



FC-F-0474
(HC147)
Glass Tube Fuse(Fast-Blow)
Size:6x30



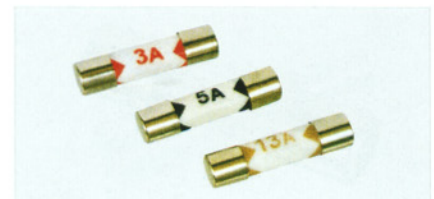
FC-F-0475
(HC148)
CERAMIC Tube Fuse(Fast-Blow)
Size:5x20



FC-F-0476
(HC149)
CERAMIC Tube Fuse(Fast-Blow)
Size:6x25



FC-F-0477
(HC150)
CERAMIC Tube Fuse(Fast-Blow)
Size:6x30



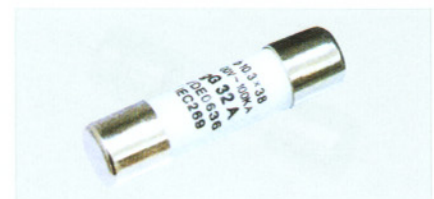
FC-F-0478
(HC151)
CERAMIC Tube Fuse(Fast-Blow)
Size:6x25



FC-F-0479
(HC152)
CERAMIC Tube Fuse(Fast-Blow)
Size:6x30



FC-F-0480
(HC153)
CERAMIC Tube Fuse(Fast-Blow)
Size:8.5x31



FC-F-0481
(HC154)
CERAMIC Tube Fuse(Fast-Blow)
Size:10x38



FC-F-0482
(SY001)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
Exposed to resistance: $< 0.02 \Omega$
Able to bear pressing: $\geq \text{AC}3000 \text{V}$
Insulating resistance: $\geq 1000 \text{M}\Omega$
Material: Bakelite



FC-F-0483
(SY004)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
Exposed to resistance: $< 0.02 \Omega$
Able to bear pressing: $\geq \text{AC}3000 \text{V}$
Insulating resistance: $\geq 1000 \text{M}\Omega$
Material: Bakelite



FC-F-0484
(SY005)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Exposed to resistance: $< 0.02 \Omega$
Able to bear pressing: $\geq \text{AC}3000 \text{V}$
Insulating resistance: $\geq 1000 \text{M}\Omega$
Material: Bakelite



FC-F-0485
(SY010)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Exposed to resistance: $< 0.02 \Omega$
Able to bear pressing: $\geq \text{AC}3000 \text{V}$
Insulating resistance: $\geq 1000 \text{M}\Omega$
Material: Bakelite



FC-F-0486
(SY014)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
Exposed to resistance: $< 0.02 \Omega$
Able to bear pressing: $\geq \text{AC}3000 \text{V}$
Insulating resistance: $\geq 1000 \text{M}\Omega$
Material: Bakelite



FC-F-0487
(SY015)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Exposed to resistance: $< 0.02 \Omega$
Able to bear pressing: $\geq \text{AC}3000 \text{V}$
Insulating resistance: $\geq 1000 \text{M}\Omega$
Material: Bakelite



FC-F-0488
(SY016)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Exposed to resistance: $< 0.02 \Omega$
Able to bear pressing: $\geq \text{AC}2000 \text{V}$
Insulating resistance: $\geq 1000 \text{M}\Omega$



FC-F-0489
(SY020)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
Able to bear pressing: $\geq \text{AC}3000 \text{V}$
Insulating resistance: $\geq 1000 \text{M}\Omega$
Material: Bakelite



FC-F-0490
(SY021)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
Greatest specified value: $6 \text{A}, 250 \text{V.AC}$
Able to bear the high temperature: 80°C
Material: (PE) Polythene



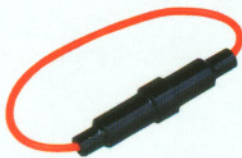
FC-F-0491
(SY022)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Greatest specified value: $5 \text{A}, 250 \text{V.AC}$
Able to bear the high temperature: 80°C
Material: (PE) Polythene



FC-F-0492
(SY023)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
The outer cover is able to bear pressing: $\text{AC}1000 \text{V}$
Able to bear the high temperature: 90°C
Material: ABS Polythene (ABS)



FC-F-0493
(SY024)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
The outer cover is able to bear pressing: $\text{AC}1000 \text{V}$
Able to bear the high temperature: 90°C
Material: ABS Polythene (ABS)



FC-F-0494
(SY025)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
Able to bear pressing: $\geq \text{AC}3000 \text{V}$
Insulating resistance: $\geq 1000 \Omega$
Material: Bakelite



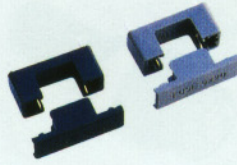
FC-F-0495
(SY027)



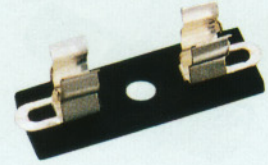
FC-F-0496
(SY029)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Greatest specified value: $6 \text{A}, 250 \text{V.AC}$
Base of the seat: Fire Resistant High Temperature Standing Plastic



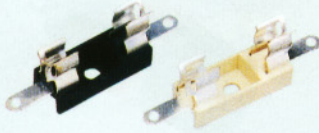
FC-F-0497
(SY030)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
Greatest specified value: 6A.250V.AC
Base of the seat: Fire Resistant High Temperature Standing Plastic



FC-F-0498
(SY031)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Greatest specified value: 5A.250V.AC
Base of the seat: Fire Resistant High Temperature Standing Plastic



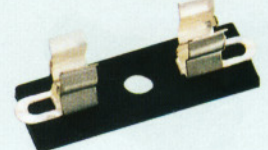
FC-F-0499
(SY032)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Greatest specified value: 6A.250V.AC
Base of the seat: Fire Resistant High Temperature Standing Plastic



FC-F-0500
(SY033)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Greatest specified value: 6A.250V.AC
Base of the seat: Fire Resistant High Temperature Standing Plastic



FC-F-0501
(SY034)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Greatest specified value: 6A.250V.AC
Base of the seat: Fire Resistant High Temperature Standing Plastic



FC-F-0502
(SY035)
Suitable fuse: $\phi 6 \times 32 \text{MM}$
Greatest specified value: 30A.300V.AC
Base of the seat: Bakelite



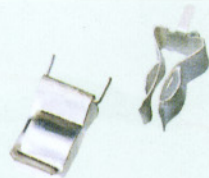
FC-F-0503
(SY036)



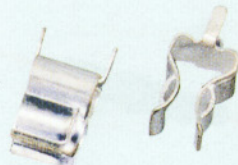
FC-F-0504
(SY037)



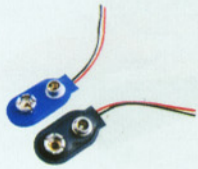
FC-F-0505
(SY038)
Suitable fuse: $\phi 6 \times 32 \text{MM}$
Greatest specified value: 30A.300V.AC
Base of the seat: Bakelite



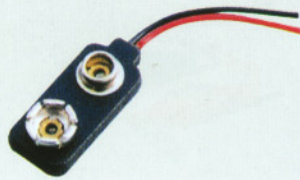
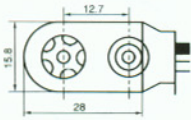
FC-F-0506
(SY039)
Suitable fuse: $\phi 6 \times 30 \text{MM}$
Greatest specified value: 15A.250V.AC
Base of the seat: Stannum Bronze



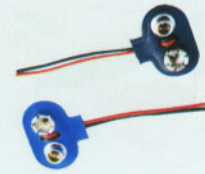
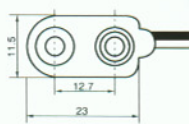
FC-F-0507
(SY040)
Suitable fuse: $\phi 5 \times 20 \text{MM}$
Greatest specified value: 10A.250V.AC
Base of the seat: Stannum Bronze



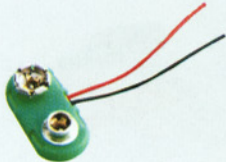
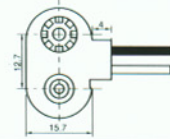
FC-F-0508
(HC212)



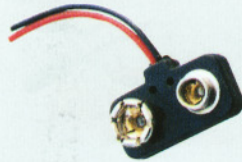
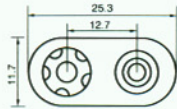
FC-F-0509
(HC213)



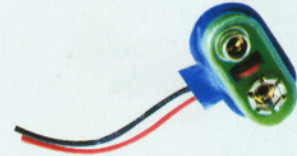
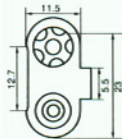
FC-F-0510
(HC214)



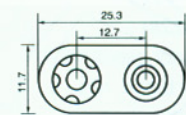
FC-F-0511
(HC215)



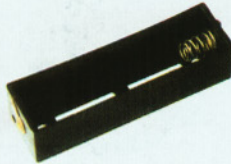
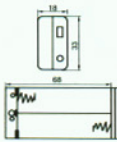
FC-F-0512
(HC216)



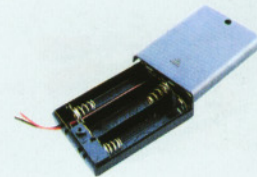
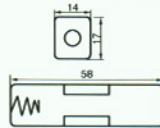
FC-F-0513
(HC217)



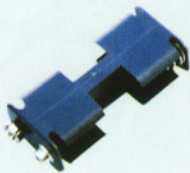
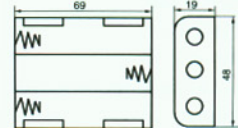
FC-F-0514
(HC218)



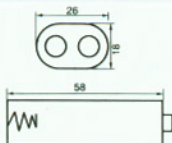
FC-F-0515
(HC219)



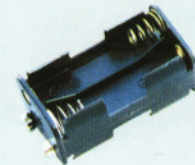
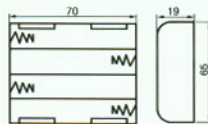
FC-F-0516
(HC220)



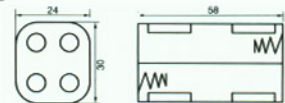
FC-F-0517
(HC221)

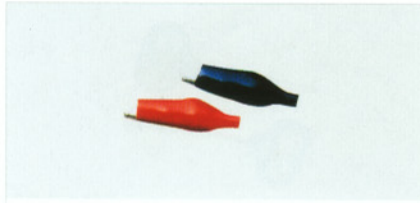


FC-F-0518
(HC222)

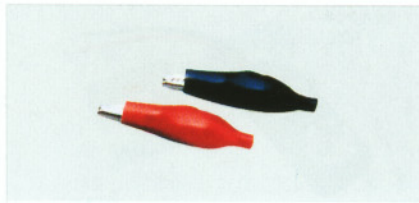


FC-F-0519
(HC223)

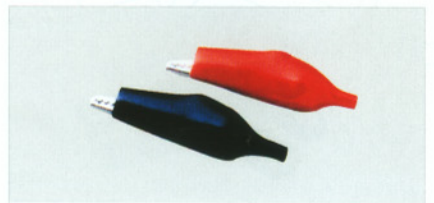




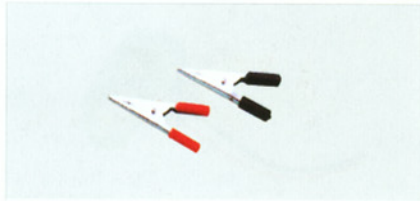
FC-F-0520
(FD1225)
Alligator clip(with boot)
Color:black, red
L:44mm(small size)



FC-F-0521
(FD1226)
Alligator clip(with boot)
Color:black, red
L:46mm(medium size)



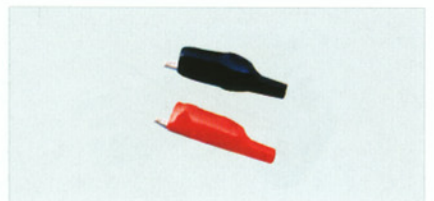
FC-F-0522
(FD1227)
Alligator clip(with boot)
Color:black, red
L:50mm(large size)



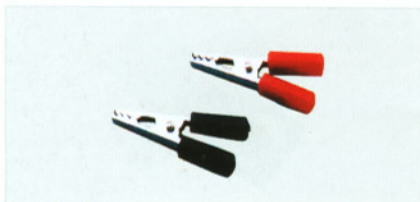
FC-F-0523
(FD1228)
Alligator clip
Color:black, red
L:52mm



FC-F-0524
(FD1229)
Alligator clip(with screw)
Color:black, red
L:55mm/66mm



FC-F-0525
(FD1230)
Alligator clip(with boot)
Color:black, red
L:55mm



FC-F-0526
(FD1231)
Alligator clip
Color:black, red
L:35mm



FC-F-0527
(FD1234)
Alligator clip
With screw
L:50mm



FC-F-0528
(FD1237)
Battery Alligator clip 15A
Color:black,red
L:71mm



FC-F-0529
(FD1232)
Alligator clip,metal
L:48mm



FC-F-0530
(FD1233)
Alligator clip,metal
With screw
L:48mm



FC-F-0531
(FD1235)
Battery Alligator clip 5A
Color:black,red
L:50mm



FC-F-0532
(FD1236)
Battery Alligator clip 10A
Color:black,red
L:50mm



FC-F-0533
(FD1244)
Battery Alligator clip, jumbo size.
A:4"/ B:6"/ C:9"
Color:red,black



FC-F-0534
(FD1242)
Battery Alligator clip 100A
L:105mm



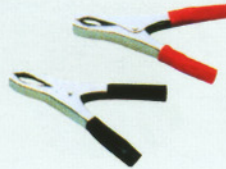
FC-F-0535
(FD1238)
Battery Alligator clip 20A
Color:black,red
L:71mm



FC-F-0536
(FD1239)
Battery Alligator clip 30A
Color:black,red
L:75mm



FC-F-0537
(FD1240)
Battery Alligator clip 30A
Color:black,red,plastic
L:75mm



FC-F-0538
(FD1241)
Battery Alligator clip 50A
L:100mm



FC-F-0539
(FD1243)
Battery Alligator clip 200A
L:150mm



FC-F-0540
(FD1245)
Battery clip 5A(with boot)
Color:black,red
L:43mm



FC-F-0541
(FD1246)
Battery clip 10A(with boot)
Color:black,red
L:54mm



FC-F-0542
(FD1247)
Battery clip 20A(with boot)
Color:black,red
L:65mm



FC-F-0543
(FD1248)
Battery clip 30A(with boot)
Color:black,red
L:71mm



FC-F-0544
(FD1249)
Battery clip 50A(with boot)
Color:black,red
L:75mm



FC-F-0545
(FD1250)
Battery clips to
DC plugs,cross type(with wire 1.2m)
Color:Black,red



FC-F-0546
(FD1251)
Battery clips to 2.1mm/5.5mm or 2.5mm/
5.5mm DC plug (with wire 1.2m)
Color:Black,red



FC-F-0547
(FD1252)
Battery clips to auto cigarette plug,with
wire 1.2m
Color:black,red



FC-F-0548
(FD1253)
Battery clips to battery clips,
with wire 1.2m
Color:balck,red



FC-F-0549
(FD1254)
Jumper test lead set 10 pairs small
alligator clips in 10 wires (5 colors)

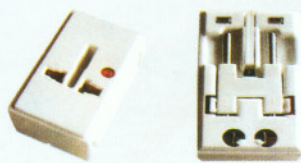


FC-F-0550
(FD1255)
Jumper test lead set 10 pairs medium
alligator clips in 10 wires (5 colors)



FC-F-0551
(FD1256)
Jumper test lead set 5 pairs large
alligator clips in 5 wires (5 colors)

E-mail:ceiecz@public.cz.js.cn
Http://www.ceiecz.com
Tel:+86-519-6600389
Fax:+86-519-6607378, 6606496



FC-F-0552
(878W)



FC-F-0553
(7196L)



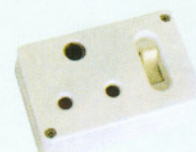
FC-F-0554
(7296)



FC-F-0555
(504AWR)



FC-F-0556
(7387L)



FC-F-0557
(501W)



FC-F-0558
(502W)



FC-F-0559
(504AW)



FC-F-0560
(8330)



FC-F-0561
(345WI)



FC-F-0562
(8363L)



FC-F-0563
(5678)



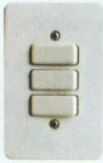
FC-F-0564
(S318W)



FC-F-0565
(A14-1)



FC-F-0566
(A15-2)



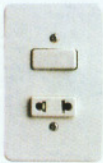
FC-F-0567
(A16-3)



FC-F-0568
(A17-4)



FC-F-0569
(A18-2)



FC-F-0570
(A19-1)



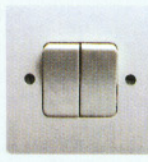
FC-F-0571
(5201/20)



FC-F-0572
(5201/50)



FC-F-0573
(5201/10)



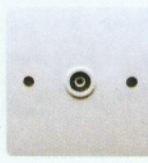
FC-F-0574
(5202/10)



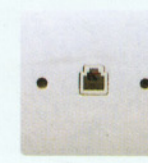
FC-F-0575
(5204/50)



FC-F-0576
(4203S)



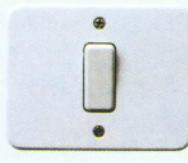
FC-F-0577
(5600/TV)



FC-F-0578
(5500/FEL)



FC-F-05879
(4204)



FC-F-0580
(A01)



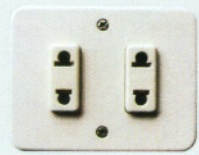
FC-F-0581
(A02)



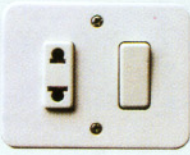
FC-F-0582
(A03)



FC-F-0583
(A05)



FC-F-0584
(A06)



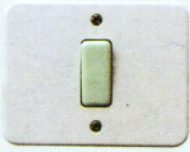
FC-F-0585
(A07)



FC-F-0586
(A08)



FC-F-0587
(A04)



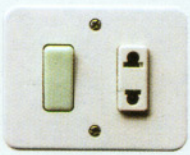
FC-F-0588
(A09)



FC-F-0589
(A10)



FC-F-0590
(A11)



FC-F-0591
(A12)



FC-F-0592
(A13)



FC-F-0593
(124)



FC-F-0594
(123)



FC-F-0595
(123-1)



FC-F-0596
(911)



FC-F-0597
(912)



FC-F-0598
(913)



FC-F-0599
(121-3)



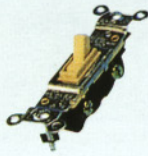
FC-F-0600
(123-4)



FC-F-0601
(123-3)



FC-F-0602
(FM931)



FC-F-0603
(N1-1A)



FC-F-0604
(111-1C)



FC-F-0605
(111-2)



FC-F-0606
(111-1B)



FC-F-0607
(6022)



FC-F-0608
(9011)



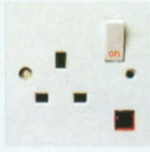
FC-F-0609
(9022)



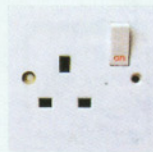
FC-F-0610
(901-1)



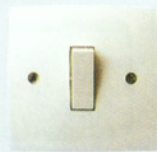
FC-F-0611
(9000)



FC-F-0612
(OM997C)



FC-F-0613
(825)



FC-F-0614
(OM961)



FC-F-0615
(OM962)



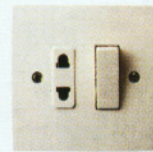
FC-F-0616
(OM963)



FC-F-0617
(OM966)



FC-F-0618
(OM971)



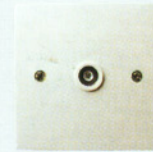
FC-F-0619
(OM964)



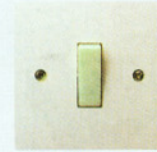
FC-F-0620
(908)



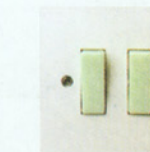
FC-F-0621
(96-1F)



FC-F-0622
(96-2T)



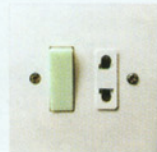
FC-F-0623
(OM961R)



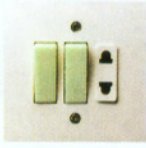
FC-F-0624
(OM962R)



FC-F-0625
(OM963R)



FC-F-0626
(OM964R)



FC-F-0627
(OM965R)



FC-F-0628
(801)



FC-F-0629
(802)



FC-F-0630
(803)



FC-F-0631
(804)



FC-F-0632
(805)



FC-F-0633
(OM952B)



FC-F-0634
(OM952A)



FC-F-0635
(P262)



FC-F-0636
(P263)



FC-F-0637
(OM952BS)



FC-F-0638
(OM952AS)



FC-F-0639
(OM961)



FC-F-0640
(OM862)



FC-F-0641
(401C)



FC-F-0642
(401B)



FC-F-0643
(OM871)



FC-F-0644
(OM961N)



FC-F-0645
(OM962N)



FC-F-0646
(OM964N)



FC-F-0647
(OM971N)



FC-F-0648
(OM96TV)



FC-F-0649
(OM96F)



FC-F-0650
(OM966N)



FC-F-0651
(1003)



FC-F-0652
(S711)



FC-F-0653
(S712)



FC-F-0654
(S713)



FC-F-0655
(S715)



FC-F-0656
(1003SLN)



FC-F-0657
(820L)



FC-F-0658
(1007)



FC-F-0659
(1003SL)



FC-F-0660
(208R)



FC-F-0661
(208)



FC-F-0662
(208A)



FC-F-0663
(208RN)



FC-F-0664
(FE12)



FC-F-0665
(F409)



FC-F-0666
(209BW)



FC-F-0667
(209BWS)



FC-F-0668
(F211S)



FC-F-0669
(220W)



FC-F-0670
(220)



FC-F-0671
(407AW)



FC-F-0672
(FB870)



FC-F-0673
(FB871)



FC-F-0674
(FB872)



FC-F-0675
(407BW)



FC-F-0676
(E10)



FC-F-0677
(AE14)



FC-F-0678
(202E14)



FC-F-0679
(202E14W)



FC-F-0680
(215)



FC-F-0681
(215A)



FC-F-0682
(213)



FC-F-0683
(215B)



FC-F-0684
(216N)



FC-F-0685
(216)



FC-F-0686
(216S)



FC-F-0687
(207A)



FC-F-0688
(207-1)



FC-F-0689
(204-1)



FC-F-0690
(200B)



FC-F-0691
(205)



FC-F-0692
(218)



FC-F-0693
(F204)



FC-F-0694
(303B)



FC-F-0695
(303A)



FC-F-0696
(SE403A)



FC-F-0697
(F321)



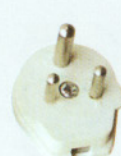
FC-F-0698
(309)



FC-F-0699
(T004)



FC-F-0700
(T005)



FC-F-0701
(T006)



FC-F-0702
(315P)



FC-F-0703
(315)



FC-F-0704
(315A)



FC-F-0705
(311)



FC-F-0706
(311-3)



FC-F-0707
(311-2)



FC-F-0708
(311-1)



FC-F-0709
(209AW)



FC-F-0710
(209AWS)



FC-F-0711
(209A)



FC-F-0712
(SE201A)



FC-F-0713
(218-1)



FC-F-0714
(F210SW)



FC-F-0715
(F210S)



FC-F-0716
(204)



FC-F-0717
(SE200W)



FC-F-0718
(261-1)



FC-F-0719
(262)



FC-F-0720
(324)



FC-F-0721
(SE322W)



FC-F-0722
(316)



FC-F-0723
(SE200)



FC-F-0724
(202A)



FC-F-0725
(202AW)



FC-F-0726
(201A)



FC-F-0727
(F107)



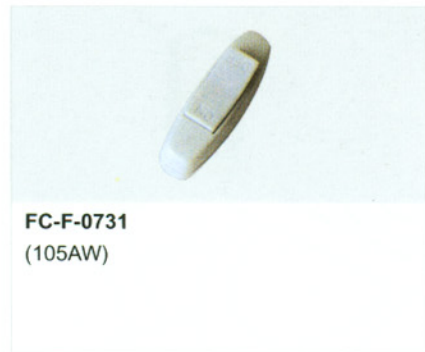
FC-F-0728
(F108)



FC-F-0729
(104BW)



FC-F-0730
(104AW)



FC-F-0731
(105AW)



FC-F-0732
(106)



FC-F-0733
(128)



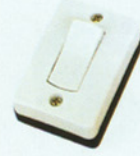
FC-F-0734
(129)



FC-F-0735
(124W)



FC-F-0736
(126W)



FC-F-0737
(125A)



FC-F-0738
(127)



FC-F-0739
(101BH)



FC-F-0740
(405)



FC-F-0741
(103A)



FC-F-0742
(101C)



FC-F-0743
(7122)



FC-F-0744
(700A)



FC-F-0745
(7004)



FC-F-0746
(7021)



FC-F-0747
(7003)



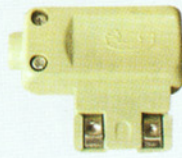
FC-F-0748
(700B)



FC-F-0749
(7001)



FC-F-0750
(7002)



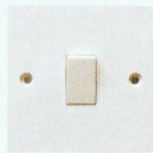
FC-F-0751
(371)



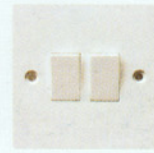
FC-F-0752
(372)



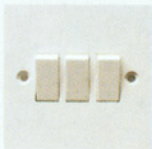
FC-F-0753
(PG-3)



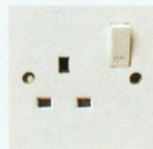
FC-F-0754
(8111)



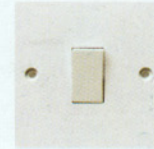
FC-F-0755
(8112)



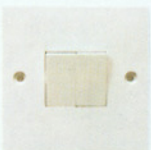
FC-F-0756
(8113)



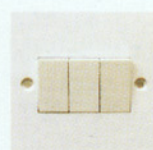
FC-F-0757
(8336S)



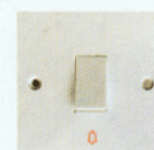
FC-F-0758
(V8011)



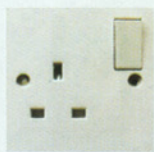
FC-F-0759
(V8022)



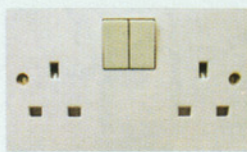
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(V8032)



FC-F-0761
(V8014)



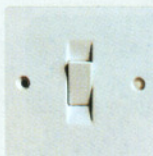
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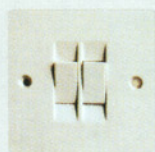
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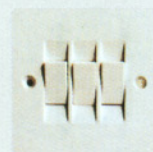
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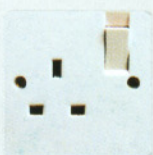
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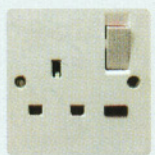
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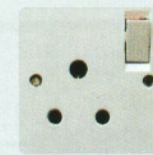
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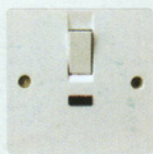
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FC-F-0769
(718L)



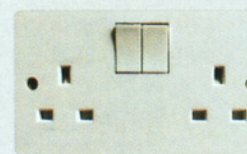
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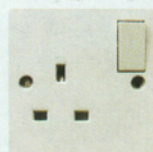
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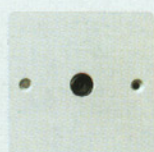
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FC-F-0773
(4206)



FC-F-0774
(4204)



FC-F-0775
(7771)



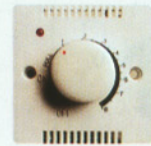
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FC-F-0777
(1018)



FC-F-0778
(1019)



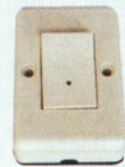
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FC-F-0780
(109)



FC-F-0781
(109A)



FC-F-0782
(160A)



FC-F-0783
(160B)



FC-F-0784
(931-1)



FC-F-0785
(F321)



FC-F-0786
(221W)



FC-F-0787
(201B)



FC-F-0788
(701)



FC-F-0789
(702)



FC-F-0790
(703)



FC-F-0791
(704)

Type of Relay	FC-F-0792	FC-F-0793	FC-F-0794	FC-F-0795
	JZC-4123(T71)	T72	JQC-3F(T73)	JZC-22F
Outline Dimensions	22x16.5x16.5mm ³	22x17.5x15mm ³	19x15.5x15.5mm ³	20.3x16.8x20.2mm ³
Contact Form	1A,1C	1A,1B,1C	1A,1C	1A,1B,1C
Contact Capacity(resistive)	7A,10A,15A/120VAC,28VDC,5A,7A,10A/220VAC	5A/28VDC,125VAC 10A/28VDC,125VAC	10A,15A/120VAC,28VDC 5A,7A/220VAC	7A,10A,15A/120VAC,28VDC 7A,10A,12A/220VAC
Contact Resistance(initial)	≤100mΩ	≤100mΩ	≤100mΩ	≤100mΩ
Coil Dta	Voltage	5,6,9,12,24VDC	3,6,9,12,24VDC	5,6,9,12,24,48VDC
	Power	0.36W,0.45W	0.36W,0.45W	0.36W,0.45W
Insulation Resistance(initial)	≥100MΩ	≥100MΩ	≥100MΩ	≥500MΩ
Dielectric Strength	Between Open Contacts	750VAC	1000VAC	750VAC
	Between Coil and contact	1500VAC	1200VAC	1500VAC
Expected Life	Electrical	10 ⁵ times	10 ⁵ times	10 ⁵ times
	Mechanical	10 ⁷ times	10 ⁷ times	10 ⁷ times
Temperature Range	-40~+70°C	-30~+70°C	-40~+70°C	-40~+85°C
Terminal Shape	PCB Mounting	PCB Mounting	PCB Mounting	PCB Mounting
Terminal Layout Bottom View				
Drilling Plan(mm) (Bottom View)				
Weight (g)	11	12	10	13
Safety Approval				

Type of Relay	FC-F-0796	FC-F-0797	FC-F-0798	FC-F-0799
	JZC-21F(T70)	JZC-20F(4088)	H200F	H22F
Outline Dimensions	22.5x16.5x23.5mm ³	22.5x16.5x24mm ³	20.5x16.5x23.5mm ³	20.5x16.5x23.5mm ³
Contact Form	1A,1C	1A,1C	1A,1C	1A,1C
Contact Capacity(resistive)	5A,10A,15/120VAC,28VDC,5A,7A/220VAC	5A,10A/120VAC,28VDC	7A,10A/15A/120VAC,28VDC	5A,10A/15A/120VAC,28VDC,5A,7A/220VAC
Contact Resistance(initial)	≤100mΩ	≤100mΩ	≤100mΩ	≤100mΩ
Coil Dta	Voltage	5,6,9,12,24VDC	5,6,9,12,24VDC	5,6,9,12,24VDC
	Power	0.36W,0.45W	0.36W,0.45W	0.36W,0.45W
Insulation Resistance(initial)	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ
Dielectric Strength	Between Open Contacts	750VAC	750VAC	750VAC
	Between Coil and contact	1500VAC	1500VAC	1500VAC
Expected Life	Electrical	10 ⁵ times	10 ⁵ times	10 ⁵ times
	Mechanical	10 ⁷ times	10 ⁷ times	10 ⁷ times
Temperature Range	-40~+70°C	-40~+55°C	-40~+55°C	-40~+70°C
Terminal Shape	PCB Mounting	PCB Mounting	PCB Mounting	PCB Mounting
Terminal Layout Bottom View				
Drilling Plan(mm) (Bottom View)				
Weight (g)	14	13	14	14
Safety Approval				

Type of Relay	FC-F-0800	FC-F-0801	FC-F-0802	FC-F-0803
	JQX-76F(13F)	JZX-18F(4453)	JZX-22F(3Z)	JZX-22F(4Z)
Outline Dimensions	28.5x22x35mm ³	28x22x35mm ³	28x22x35mm ³	28x22x35mm ³
Contact Form	2A,2C	2A,2C	3A,3B,3C	4A,4B,4C
Contact Capacity(resistive)	10A/28VDC,240VAC	5A 28VDC/120VAC 10A 28VDC/220VAC	5A/28VDC,220VAC	3A/28VDC,220VAC
Contact Resistance(initial)	≤100mΩ	≤100mΩ	≤100mΩ	≤100mΩ
Coil Dta	Voltage	5,6,9,12,24,48VDC, 12,24,48,110,220VAC	5,6,9,12,24,48VDC	6,9,12,24VDC
	Power	0.9W,1.5W	0.9W	0.9W
Insulation Resistance(initial)	≥500MΩ	≥500MΩ	≥1000MΩ	≥1000MΩ
Dielectric Strength	Between Open Contacts	1000VAC	1000VAC	1000VAC
	Between Coil and contact	1500VAC	1500VAC	1500VAC
Expected Life	Electrical	10 ⁵ times	10 ⁵ times	10 ⁵ times
	Mechanical	10 ⁷ times	10 ⁷ times	10 ⁷ times
Temperature Range	-40~+70°C	-40~+55°C	-30~+80°C	-30~+80°C
Terminal Shape	PCB Mounting Sockets Available	PCB Mounting Sockets Available	PCB Mounting Sockets Available	PCB Mounting Sockets Available
Terminal Layout Bottom View				
Drilling Plan(mm) (Bottom View)				
Weight (g)	35	35	34	35
Safety Approval				

Type of Relay	FC-F-0804	FC-F-0805	FC-F-0806	FC-F-0807
	JQX-15F(4500)	JQX-15F(4501)	JQX-15F(4502)	JQX-14F
Outline Dimensions	32.5x27.5x20.5mm ³	32.5x27x28.5mm ³	50.5x27.5x28.5mm ³	28.9x12.6x20.6mm ³
Contact Form	1A,1B,1C	1A,1B,1C	1A,1B,1C	1A,1B,1C,2C
Contact Capacity(resistive)	10A,20,30A/28VDC,240VAC	28VDC 10,20,30A 240VAC 10,20,30A	30A 28VDC/240VAC	28VDC 5A(1A,1C),5A(2C) 220VAC 10A(1A,1C),5A(2C)
Contact Resistance(initial)	≤100mΩ	≤100mΩ	≤100mΩ	≤100mΩ
Coil Dta	Voltage	5,6,9,12,24,48VDC	5,6,9,12,24,48VDC	5,6,9,12,24VDC
	Power	0.9W,1.2W	0.9W	0.9W,1.2W
Insulation Resistance(initial)	≥100MΩ	≥100MΩ	≥100MΩ	≥1000MΩ
Dielectric Strength	Between Open Contacts	1500VAC	1500VAC	1000VAC
	Between Coil and contact	2000VAC	2000VAC	4000VAC
Expected Life	Electrical	10 ⁵ times	10 ⁵ times	10 ⁵ times
	Mechanical	10 ⁷ times	10 ⁷ times	10 ⁷ times
Temperature Range	-55~+85°C	-55~+85°C	-55~+85°C	-40~+70°C
Terminal Shape	PCB Mounting	PCB Mounting Quick connect	PCB Mounting	PCB Mounting
Terminal Layout Bottom View				
Drilling Plan(mm) (Bottom View)				
Weight (g)	30	33	36	13
Safety Approval				

Type of Relay	FC-F-0808	FC-F-0809	FC-F-0810	FC-F-0811
	4141 4120	JRC-19F(4078)	JZC-6F(4098)	4100
Outline Dimensions	26x26x24.5mm ³ 29x29x26mm ³	20.5x9.9x12mm ³	18.5x15.5x14mm ³	15.5x11x11.5mm ³
Contact Form	1A,1B,1C	2C	1A,1C	1A,1C
Contact Capacity(resistive)	30A,40A 14VDC	1A 30VDC 0.3A,110VDC 0.3A,125VAC	2A 120VAC/28VDC 1A 220VAC	1A 24VDC/120VAC 3A 24VDC/120VAC
Contact Resistance(initial)	≤100mΩ	≤50mΩ	≤100mΩ	≤50mΩ
Coil Dta	Voltage	3,6,9,12,24VDC	5,6,9,12,24VDC	3,6,9,12,24VDC
	Power	1.6W,1.8W	0.2W,0.36W	0.36W
Insulation Resistance(initial)	≥1000MΩ	≥100MΩ	≥100MΩ	≥100MΩ
Dielectric Strength	Between Open Contacts	500VAC	500VAC	500VAC
	Between Coil and contact	750VAC	500VAC	500VAC
Expected Life	Electrical	10 ⁵ times	10 ⁵ times	10 ⁵ times
	Mechanical	10 ⁷ times	10 ⁷ times	10 ⁷ times
Temperature Range	-40~+80°C	-25~+70°C	-25~+55°C	-30~+75°C
Terminal Shape	PCB Mounting	PCB Mounting	PCB Mounting	PCB Mounting
Terminal Layout Bottom View				
Drilling Plan(mm) (Bottom View)				
Weight (g)	30 40	5	10	4
Safety Approval				

Type of Relay	FC-F-0812	FC-F-0813	FC-F-0814	FC-F-0815
	4119	T78	JQX-40	SAM
Outline Dimensions	24x19x20mm ³ 26.5x21x22.3mm ³	15.5x12.5x13.5mm ³	39.5x23.5x35mm ³	23.5x17.3x16.2mm ³
Contact Form	1A,1B,1C	1A,1C	1C	1C,2C
Contact Capacity(resistive)	40A 14VDC 20A 28VDC/120VAC	Res:15A 14VDC Motor:20A 14VDC	40A 28VDC/240VAC	NO:15 14VDC NC:10A 14VDC
Contact Resistance(initial)	≤100mΩ	≤100mΩ	≤50mΩ	≤100mΩ
Coil Dta	Voltage	3,6,9,12,24VDC	5,6,9,12,24VDC	5,6,9,12,24VDC
	Power	1.6W	0.6W	1.5W,1.8W,2W
Insulation Resistance(initial)	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ
Dielectric Strength	Between Open Contacts	750VAC	500VAC	1000VAC
	Between Coil and contact	1000VAC	750VAC	2000VAC
Expected Life	Electrical	10 ⁵ times	10 ⁵ times	10 ⁵ times
	Mechanical	10 ⁷ times	10 ⁷ times	10 ⁷ times
Temperature Range	-30~+80°C	-40~+85°C	-55~+85°C	-30~+80°C
Terminal Shape	PCB Mounting	PCB Mounting	PCB Mounting	PCB Mounting
Terminal Layout Bottom View				
Drilling Plan(mm) (Bottom View)				
Weight (g)	19 21		54.4	
Safety Approval				

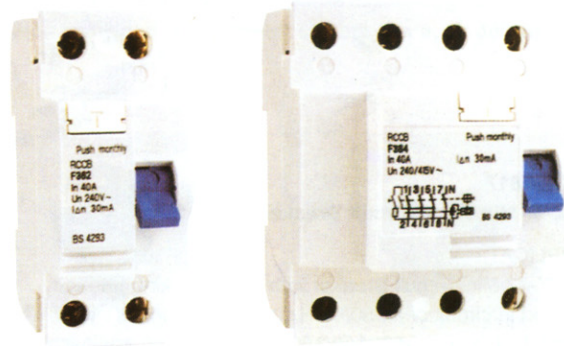
FC-F-0816 (DZL176-63 Residual Current Circuit Breaker)

APPLICATION

Residual Current Circuit Breaker provide the function of isolation switching and earth leakage protection of electrical circuits. And also provide the indirect protection of the operator's body against the dangerous effects of electric current and provide the protection of the fire caused by the electrical circuit fault.

TECHNICAL DATA

- Standard: IEC 1008, GB16916
- Rated Voltage(Un):
- 2 pole: 230V AC
- 4 pole: 400V AC
- Rated Current (In): 25, 40, 63A
- Rated residual operating current (I Δ n): 10, 30, 100, 300, 500mA
- Rated residual non-operation Current (I Δ no): 0.51 Δ n
- Residual current off-time: \leq 0.1s
- Minimum value of rated making and breaking capacity (Im): 630A
- Rated conditional short-circuit current (Inc):
- In=25, 40A Inc=1500A In=63A Inc=3000A
- Endurance:
- On load: 2000 cycles Off load: 2000 cycles



BREAKER

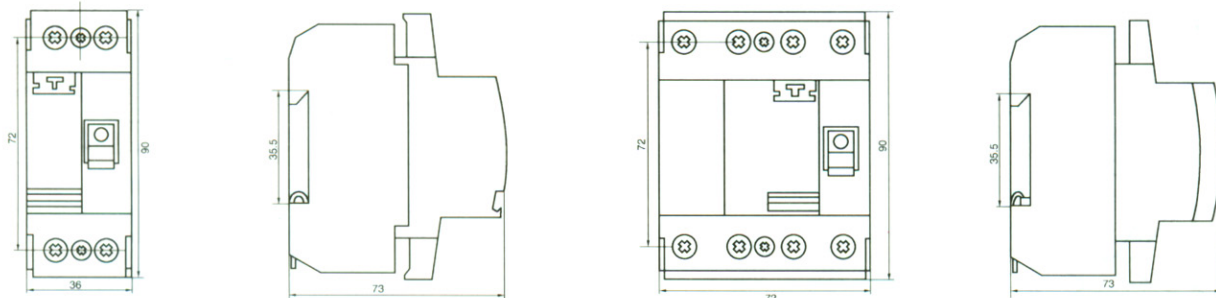
INSTALLATION

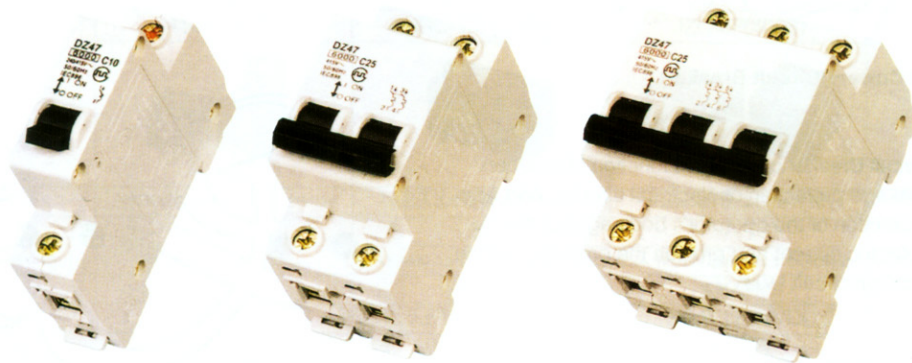
- On symmetrical DIN rail
- Panel mounting

Pole No.	In(A)	Cat.No				
		I Δ n(mA)				
		10	30	100	300	500
2	25	DZ \cdot 21010	DZ \cdot 21030	DZ \cdot 21100	DZ \cdot 21300	DZ \cdot 21500
	40		DZ \cdot 22030	DZ \cdot 22100	DZ \cdot 22300	DZ \cdot 22500
	63		DZ \cdot 23030	DZ \cdot 23100	DZ \cdot 23300	DZ \cdot 23500

Pole No.	In(A)	Cat.No			
		I Δ n(mA)			
		30	100	300	500
4	25	DZ \cdot 41030	DZ \cdot 41100	DZ \cdot 41300	DZ \cdot 41500
	40	DZ \cdot 42030	DZ \cdot 42100	DZ \cdot 42300	DZ \cdot 42500
	63	DZ \cdot 43030	DZ \cdot 43100	DZ \cdot 43300	DZ \cdot 4F \cdot 3500

DIMENSIONS





**FC-F-0817
(DZ-47 Miniature Circuit Breaker)**

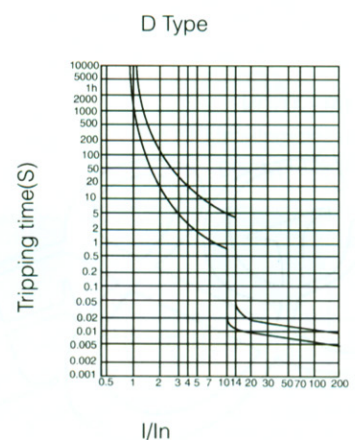
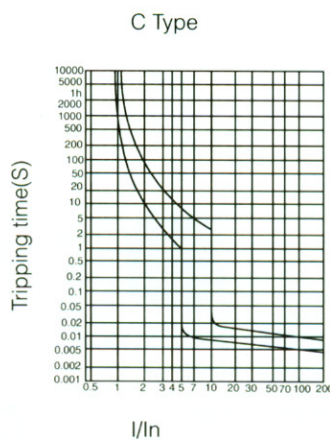
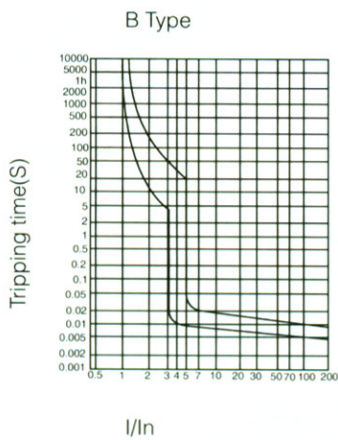
APPLICATION

DZ-47 Mini Circuit Breaker with high breaking capacity is used in circuit of AC50/60 Hz, rated voltage 230/400V and rated current from 1A to 60A for protection against overload and short circuit as well as for infrequent switchover of circuit under normal condition.

The product is suitable for protection of household and similar installation.

Rated voltage	240/415V AC
Rated current	1A 2A 3A 4A 5A 6A 10A 16A 20A 25A 32A 40A 50A 60A
Pole	1P, 2P, 3P, 4P
Tripping curve	B type C type D type

TRIPPING CURVE



THE OVERCURRENT PROTECTION CHARACTERISTIC

NO.	Rated current(A)	Initial status	Testing current	Specified time	Expected results	Remarks
1	1~63	cold	1.13In	$T \geq 1h$	Non tripping	
2	1~63	Immediately after previous test	1.45In	$T < 1h$	Tripping	The current increases to a specified value with 5S stably
3	$In \leq 32$	cold	2.55In	$1S < t < 60S$	Tripping	
	$In > 32$			$1s < t < 12S$		
4	1~63	cold	3In	$T \geq 0.1S$	Non tripping	B type
			5In	$T < 0.1S$	Tripping	
			5In	$T \geq 0.1S$	Non tripping	C type
			10In	$T < 0.1S$	Tripping	
			10In	$T \geq 0.1S$	Non tripping	
14In	$T < 0.1S$	Tripping				

A.C. CONTACTORS

This series AC contactor is used for long-distance making and breaking in circuit with frequency 50Hz or 60Hz, rated voltage to 660V and rated current up to 630A. The item, in combination with thermal relay, protects circuit against overload as electromagnetic starter, it also functions as delay-type, reversible contactor and star-delta starter when combined with auxiliary contact group, air delayer and mechanical interlocking device.



FC-F-0818
(CJX2-D09)



FC-F-0821
(CJX2-D25)



FC-F-0823
(CJX2-D40)



FC-F-0829
(CJX2-F150)

Type	References	Rated operating current	Rated voltage	Standard power ratings of 3-phase motors					
				200V 230V KW	380V 400V KW	415V KW	440V KW	500V KW	600V KW
FC-F-0818	CJX2-D0910 CJX2-D0901	9A	660V	2.2	4	4	4	5.5	5.5
FC-F-0819	CJX2-D1210 CJX2-D1201	12A	660V	3	5.5	5.5	5.5	7.5	7.5
FC-F-0820	CJX2-D1810 CJX2-D1801	18A	660V	4	7.5	9	9	10	10
FC-F-0821	CJX2-D2510 CJX2-D2501	25A	660V	5.5	11	11	11	15	15
FC-F-0822	CJX2-D3210 CJX2-D3201	32A	660V	7.5	15	15	15	18.5	18.5
FC-F-0823	CJX2-D4011	40A	660V	11	18.5	22	22	22	30
FC-F-0824	CJX2-D5011	50A	660V	15	22	25	30	30	33
FC-F-0825	CJX2-D6511	65A	660V	18.5	30	37	37	37	37
FC-F-0826	CJX2-D8011	80A	660V	22	37	45	45	55	45
FC-F-0827	CJX2-D9511	95A	660V	25	45	45	45	55	45
FC-F-0828	CJX2-F115	115A	660V	30	55	59	59	75	80
FC-F-0829	CJX2-F150	150A	660V	40	75	80	80	90	100
FC-F-0830	CJX2-F185	185A	660V	55	90	100	100	110	110
FC-F-0831	CJX2-F225	225A	660V	65	110	120	120	129	129
FC-F-0832	CJX2-F265	265A	660V	75	132	140	140	160	160
FC-F-0833	CJX2-F330	330A	660V	90	150	160	160	220	220
FC-F-0834	CJX2-F400	400A	660V	110	200	220	250	257	280
FC-F-0835	CJX2-F500	500A	660V	147	250	280	295	335	335
FC-F-0836	CJX2-F630	630A	660V	200	335	375	400	400	450

CONTACT BLOCKS



FC-F-0837
(LA1-DN11)
Auxiliary contact blocks



FC-F-0840
(LA1-DN22)
Auxiliary contact blocks

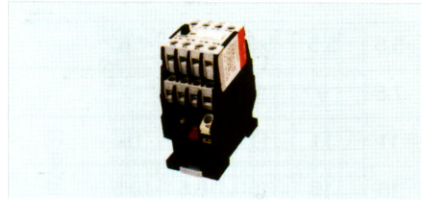


FC-F-0849
(LA2-DT2)
Time delay / Auxiliary contact blocks

Type	References	Contact number
FC-F-0837	LA1-DN11	1N/O+1N/C
FC-F-0838	LA1-DN02	2N/C
FC-F-0839	LA1-DN20	2N/O
FC-F-0840	LA1-DN22	2N/O+2N/C
FC-F-0841	LA1-DN31	3N/O+1N/C
FC-F-0842	LA1-DN13	1N/O+3N/C
FC-F-0843	LA1-DN40	4N/O
FC-F-0844	LA1-DN04	4N/C

Type	References	Contact number	Delay type	Range
FC-F-0845	LA2-DT0	1N/O+1N/C	OFF-DELAY	0.1 to 3s
FC-F-0846	LA2-DT2	1N/O+1N/C	ON-DELAY	0.1 to 30s
FC-F-0847	LA2-DT4	1N/O+1N/C	OFF-DELAY	10 to 180s
FC-F-0858	LA2-DR0	1N/O+1N/C	OFF-DELAY	0.1 to 3s
FC-F-0849	LA2-DR2	1N/O+1N/C	OFF-DELAY	0.1 to 30s
FC-F-0850	LA2-DR4	1N/O+1N/C	OFF-DELAY	10 to 180s

A.C. CONTACTORS



FC-F-0851
(CJX1-F9)



FC-F-0853
(CJX1-F16)



FC-F-0855
(CJX1-F32)



FC-F-0858
(CJX1-F63)



FC-F-0863
(CJX1-F170)



FC-F-0867
(CJX1-F400)

Type	References	Rated operating Current AC-380V (A)	Rated voltage (V)	Standard power ratings of 3-phase motors				Type	References	Rated operating Current AC-380V (A)	Rated voltage (V)	Standard power ratings of 3-phase motors			
				220V	380V	500V	660V					220V	380V	500V	660V
				KW	KW	KW	KW					KW	KW	KW	KW
FC-F-0851	CJX1-F9	9A	690V	2.4	4	5.5	5.5	FC-F-0860	CJX1-F85	85A	690V	26	45	39	67
FC-F-0852	CJX1-F12	12A	690V	3.3	5.5	7.5	7.5	FC-F-0861	CJX1-F110	110A	690V	37	55	76	100
FC-F-0853	CJX1-F16	16A	690V	4	7.5	10	11	FC-F-0862	CJX1-F140	140A	690V	43	75	98	100
FC-F-0854	CJX1-F22	22A	690V	6.1	11	11	11	FC-F-0863	CJX1-F170	170A	690V	55	90	118	156
FC-F-0855	CJX1-F32	32A	690V	8.5	15	21	23	FC-F-0864	CJX1-F205	205A	690V	64	110	145	156
FC-F-0856	CJX1-F38	38A	690V	11	18.5	25	23	FC-F-0865	CJX1-F250	250A	690V	78	132	178	235
FC-F-0857	CJX1-F45	45A	690V	15	22	30	39	FC-F-0866	CJX1-F300	300A	690V	93	160	210	235
FC-F-0858	CJX1-F63	63A	690V	18.5	30	41	55	FC-F-0867	CJX1-F400	400A	690V	125	200	284	375
FC-F-0859	CJX1-F75	75A	690V	22	37	50	67	FC-F-0868	CJX1-F475	475A	690V	145	250	329	375

THERMAL OVERLOAD RELAYS



Type	References	Setting current range	Plug in contactor
FC-F-0869	JRS1-D09301	0.1~0.16A	CJX2-D09-25
FC-F-0870	JRS1-D09302	0.16~0.25A	CJX2-D09-25
FC-F-0871	JRS1-D09303	0.25~0.40A	CJX2-D09-25
FC-F-0872	JRS1-D09304	0.40~0.63A	CJX2-D09-25
FC-F-0873	JRS1-D09305	0.63~1A	CJX2-D09-25
FC-F-0874	JRS1-D09306	1~1.6A	CJX2-D09-25
FC-F-0875	JRS1-D09307	1.6~2.5A	CJX2-D09-25
FC-F-0876	JRS1-D09308	2.5~4A	CJX2-D09-25
FC-F-0877	JRS1-D09310	4~6A	CJX2-D09-25
FC-F-0878	JRS1-D09312	5.5~8A	CJX2-D09-25
FC-F-0879	JRS1-D09314	7~10A	CJX2-D09-25
FC-F-0880	JRS1-D09316	10~13A	CJX2-D09-25
FC-F-0881	JRS1-D1301	0.1~0.16A	CJX2-D09-32
FC-F-0882	JRS1-D1302	0.16~0.25A	CJX2-D09-32
FC-F-0883	JRS1-D1303	0.25~0.40A	CJX2-D09-32
FC-F-0884	JRS1-D1304	0.40~0.63A	CJX2-D09-32
FC-F-0885	JRS1-D1305	0.63~1A	CJX2-D09-32
FC-F-0886	JRS1-D1306	1~1.6A	CJX2-D09-32
FC-F-0887	JRS1-D1307	1.6~2.5A	CJX2-D09-32
FC-F-0888	JRS1-D1308	2.5~4A	CJX2-D09-32
FC-F-0889	JRS1-D1310	4~6A	CJX2-D09-32
FC-F-0890	JRS1-D1312	5.5~8A	CJX2-D09-32
FC-F-0891	JRS1-D1314	7~10A	CJX2-D09-32
FC-F-0892	JRS1-D1316	9~13A	CJX2-D12-32
FC-F-0893	JRS1-D1321	12~18A	CJX2-D18-32
FC-F-0894	JRS1-D1322	17~25A	CJX2-D25-32
FC-F-0895	JRS1-D16321	13~18A	CJX2-D09-25
FC-F-0896	JRS1-D2353	23~32A	CJX2-D25-32
FC-F-0897	JRS1-D2355	28~36A	CJX2-D32
FC-F-0898	JRS1-D25322	19~25A	CJX1-D09-25
FC-F-0899	JRS1-D3322	17~25A	CJX2-D40~D95
FC-F-0900	JRS1-D3353	23~32A	CJX2-D40~D95
FC-F-0901	JRS1-D3355	30~40A	CJX2-D40~D95
FC-F-0902	JRS1-D3357	37~50A	CJX2-D40~D95
FC-F-0903	JRS1-D3359	48~65A	CJX2-D40~D95
FC-F-0904	JRS1-D3361	55~70A	CJX2-D40~D95
FC-F-0905	JRS1-D3363	63~80A	CJX2-D40~D95
FC-F-0906	JRS1-D3365	80~93A	CJX2-D40~D95
FC-F-0907	JRS1-D40353	23~32A	CJX2-D40 50 60
FC-F-0908	JRS1-D40355	30~40A	CJX2-D40 50 60
FC-F-0909	JRS1-D63357	38~50A	CJX2-D40 50 60
FC-F-0910	JRS1-D63359	48~57A	CJX2-D40 50 60
FC-F-0911	JRS1-D63361	57~66A	CJX2-D40 50 60
FC-F-0912	JRS1-D63363	63~80A	CJX2-D80

THERMAL OVERLOAD RELAYS



FC-F-0913
(JRS2-12.5/Z)

Type	Setting current range A	Suitable Contactors
0A	0.1-0.16	3TB40
0C	0.16-0.25	3TF40
0E	0.25-0.4	3TB41
0G	0.4-0.63	3TF41
0J	0.63-1	3TF30
0K	0.8-1.25	3TF31
1A	1-1.6	
1B	1.25-2	CJX1-F9
1C	1.6-2.5	CJX1-F12
1D	2-3.2	
1E	2.5-4	
1F	3.2-5	
1G	4-6.3	
1H	5-8	
1J	6.3-10	
1K	8-12.5	
2S	10-14.5	



FC-F-0917
(JRS2-25/Z)

Type	Setting current range A	Suitable Contactors
0A	0.1-0.16	3TB42
0C	0.16-0.25	3TF42
0E	0.25-0.4	3TB43
0G	0.4-0.63	3TF43
0J	0.63-1	3TF32
0K	0.8-1.25	3TF33
1A	1-1.6	
1B	1.25-2	CJX1-F16
1C	1.6-2.5	CJX1-F22
1D	2-3.2	
1E	2.5-4	
1F	3.2-5	
1G	4-6.3	
1H	5-8	
1J	6.3-10	
1K	8-12.5	
2A	10-16	
2B	12.5-20	
2C	16-25	



FC-F-0914
(JRS2-32/Z)

Type	Setting current range A	Suitable Contactors
1G	4-6.3	
1J	6.3-10	
2A	10-16	3TF44
2B	12.5-20	
2C	16-25	CJX1-F32
2D	20-32	
2Q	25-36	



FC-F-0918
(JRS2-45/Z)

Type	Setting current range A	Suitable Contactors
0A	0.1-0.16	3TF44
0C	0.16-0.25	3TF45
0E	0.25-0.4	3TF34
0G	0.4-0.63	3TF35
0J	0.63-1	
0K	0.8-1.25	CJX1-F32
1A	1-1.6	CJX1-F38
1B	1.25-2	
1C	1.6-2.5	
1D	2-3.2	
1E	2.5-4	
1F	3.2-5	
1G	4-6.3	
1H	5-8	
1J	6.3-10	
1K	8-12.5	
2A	10-16	
2B	12.5-20	
2C	16-25	
2D	20-32	
2Q	25-36	
2R	32-40	
8M	36-45	



FC-F-0915
(JRS2-63/Z)

Type	Setting current range A	Suitable Contactors
0A	0.1-0.16	3TF40
0C	0.16-0.25	3TB40
0E	0.25-0.4	3TF41
0G	0.4-0.63	3TB41
0J	0.63-1	3TF42
0K	0.8-1.25	3TB42
1A	1-1.6	3TF43
1B	1.25-2	3TB43
1C	1.6-2.5	3TF44
1D	2-3.2	3TB44
1E	2.5-4	3TF45
1F	3.2-5	3TF46
1G	4-6.3	3TF47
1H	5-8	3TF48
1J	6.3-10	CJX1-F9
1K	8-12.5	CJX1-F12
2A	10-16	CJX1-F16
2B	12.5-20	CJX1-F22
2C	16-25	CJX1-F32
2D	20-32	CJX1-F38
2E	25-40	CJX1-F45
2M	32-45	CJX1-F63
2T	40-57	CJX1-F75
2P	50-63	



FC-F-0919
(JRS2-80/Z)

Type	Setting current range A	Suitable Contactors
1G	4-6.3	3TF46
8A	11-17	3TF47
2B	12.5-20	3TF48
2C	16-25	CJX1-F45
2D	20-32	CJX1-F63
2E	25-40	CJX1-F75
2F	32-50	
2T	40-57	
2P	50-63	
2V	57-70	
2U	63-80	
8W	70-88	



FC-F-0916
(JRS2-180)

Type	Setting current range A	Suitable Contactors
2H	55-80	3TF50
2W	63-90	3TF51
2X	80-110	3TF52
3H	90-120	CJX1-F110
3J	110-135	CJX1-F140
3K	120-150	CJX1-F170
3L	135-160	
3M	150-180	



FC-F-0920
(JRS2-400,
JRS2-630)

Type	Setting current range A	Suitable Contactors
2K	80-125	3TF54
3B	125-200	3TF55
3C	160-250	CJX1-F250
3D	200-320	CJX1-F300
3E	250-400	
3F	320-500	
3G	400-630	



СЛЛЛ ⚠️ Ⓢ Ⓜ

FC-F-0921
(WDF-L SERIES)
(Constant temperature and reposition type)
Pressure style temperature controller for icebox and refrigerated cabinet and cooling drink machine



СЛЛЛ ⚠️ Ⓢ Ⓜ

FC-F-0922
(WDF-K SERIES)
(constant temperature and reposition type)
Pressure style temperature controller for icebox and refrigerated cabinet



СЛЛЛ ⚠️ Ⓢ Ⓜ

FC-F-0923
(WPF-L SERIES)
(Ordinary type)
Pressure style temperature controller for icebox and refrigerated cabinet and cooling drink machine



СЛЛЛ ⚠️ Ⓢ Ⓜ

FC-F-0924
(WPF-K SERIES)
(Ordinary type)
Pressure style temperature controller for icebox and refrigerated cabinet



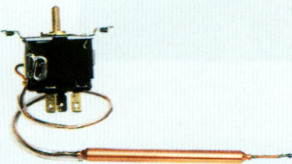
СЛЛЛ ⚠️ Ⓢ Ⓜ

FC-F-0925
(WPF-LX SERIES)
(Signal type)
Pressure style temperature controller for icebox and refrigerated cabinet



СЛЛЛ ⚠️ Ⓢ Ⓜ

FC-F-0926
(WP SERIES)
(Air-conditioner type)
Pressure style temperature controller for window air-condition, and separated style air-condition



FC-F-0927
(WK SERIES)
(Air-conditioner type)
Pressure style temperature controller for window air-condition, and separated style air-condition



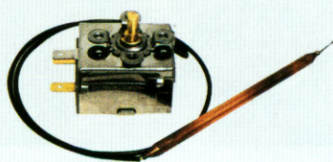
FC-F-0928
(WMF-L SERIES)
(Throttle type)
Pressure style temperature controller for safe of air cool icebox



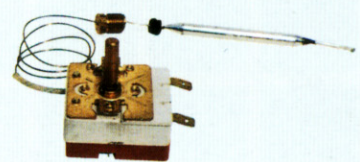
FC-F-0929
(WMF-P SERIES)
(Throttle type)
Pressure style temperature controller for safe of air cool icebox



FC-F-0930
(WMF-T SERIES)
(Throttle type)
Pressure style temperature controller for safe of air cool icebox



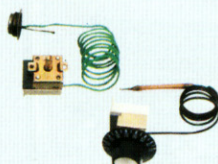
FC-F-0931
(WY-F SERIES)
(High-temperature type)
Expansible type temperature controller for electric heating appliance such as water heater, washer, electric oven, fryer, boiler, etc.



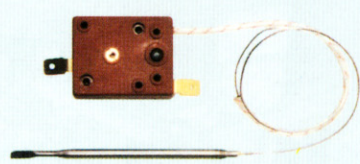
FC-F-0932
(WY-C SERIES)
(High-temperature type)
Expansible type temperature controller for electric heating appliance such as water heater, washer, electric oven, fryer, boiler, etc.



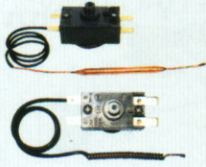
FC-F-0933
(WY-H SERIES)
(High-temperature type)
Expansible type temperature controller for electric heating appliance such as water heater, washer, electric oven, fryer, boiler, etc.



FC-F-0934
(WY-E SERIES)
(High-temperature type)
Expansible type temperature controller for electric heating appliance such as water heater, washer, electric oven, fryer, boiler, etc.



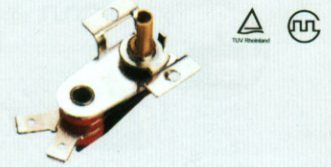
FC-F-0935
(WY-S SERIES)
(High-temperature type)
Manual reset thermal off device for electric heating appliance such as electric oven, fryer, etc.



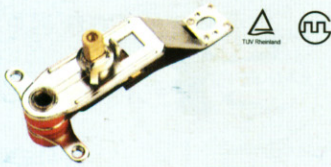
FC-F-0936
(WY-S SERIES)
 (High temperature dry burning preventing type)
 Manual reset thermal off device for electric heating appliance such as electric oven, boiler, etc.



FC-F-0937
(KST021-1)
 Specification
 ELECTRICAL RATINGS: AC250V 10A resistive load
 AC125V 12A resistive load
 OPERATING RANGE: 50 to 250°C T300
 DIFFERENTIAL: 8 to 25K
 DIELECTRIC STRENGTH: 1500V/minute
 ROTATION ANGLE: 300°
 SWITCHING DURATION: 100,000 Times min (at rated load)



FC-F-0938
(KST021-2)
 Specification
 ELECTRICAL RATINGS: AC250V 10A resistive load
 AC125V 12A resistive load
 OPERATING RANGE: 50 to 250°C T300
 DIFFERENTIAL: 8 to 25K
 DIELECTRIC STRENGTH: 1500V/minute
 ROTATION ANGLE: 300°
 SWITCHING DURATION: 100,000 Times min (at rated load)



FC-F-0939
(KST021-3)
 Specification
 ELECTRICAL RATINGS: AC250V 10A resistive load
 AC125V 12A resistive load
 OPERATING RANGE: 50 to 250°C T300
 DIFFERENTIAL: 8 to 25K
 DIELECTRIC STRENGTH: 1500V/minute
 ROTATION ANGLE: 300°
 SWITCHING DURATION: 100,000 Times min (at rated load)



FC-F-0940
(KST021-3A)
 Specification
 ELECTRICAL RATINGS: AC250V 10A resistive load
 AC125V 12A resistive load
 OPERATING RANGE: 50 to 250°C T300
 DIFFERENTIAL: 8 to 25K
 DIELECTRIC STRENGTH: 1500V/minute
 ROTATION ANGLE: 300°
 SWITCHING DURATION: 100,000 Times min (at rated load)



FC-F-0941
(KM-1)
 Specification
 ELECTRICAL RATINGS: AC240V 10A resistive load
 AC120V 15A resistive load
 CALIBRATION: 90 to 550°F(32°C to 287°C)
 LIMITS: ±5% of the calibration temperature or 10, whichever is greater
 ANGLE OF ROTATION: 270° standard, other angles optional
 SWITCHING DURATION: 100,000 Times min (at rated load)

**HEAD OFFICE:
CHINA NATIONAL ELECTRONICS IMP./EXP. JIANGSU
CHANGZHOU COMPANY**

ADD: 7/F., CHANG XING BLDG., NO. 354 JINLING ZHONG RD., CHANGZHOU, JIANGSU, P.R.CHINA
TEL: (86) 519 6600389 (20 LINES) FAX: (86) 519 6607378 // 6606496
E-MAIL: ceiecz@public.cz.js.cn HOME PAGE: www.ceiecz.com

**HONGKONG BRANCH:
FULLING ELECTRONIC LIMITED**

ADD: ROOM 16, 11/F., BLOCK A, VERISTRONG INDUSTRIAL CENTRE, 34-36,
AU PUI WAN STREET, FOTAN, SHATIN, N.T., HONG KONG.
TEL: (852) 2698 6080 // 2698 9446 FAX: (852) 2697 3943
E-MAIL: fulling@netvigator.com