General Specifications

DCE
Nest for Input/Output

JUXTA

This connector connecting type nest for DSC can mount maximum 16 JUXTA D Series signal transmitters.
The nest can connect to Yokogawa VM1, VM2. VM4 and PM1 cards.

- Range, parameter, etc. can be set through DSC2, DSC and Handy Terminal.
  (However, it depends on type of transmitter)

DCE-3□*A

Type
(Connecting VM1/VM2/VM4/PM1 card)

Power Supply
3 : 24V DC

Communication Function
0 : No
1 : Yes (with DSC card)
2 : Yes (with DSC2 card)

ORDERING INFORMATION
Type Code (Example) DCE-32*A

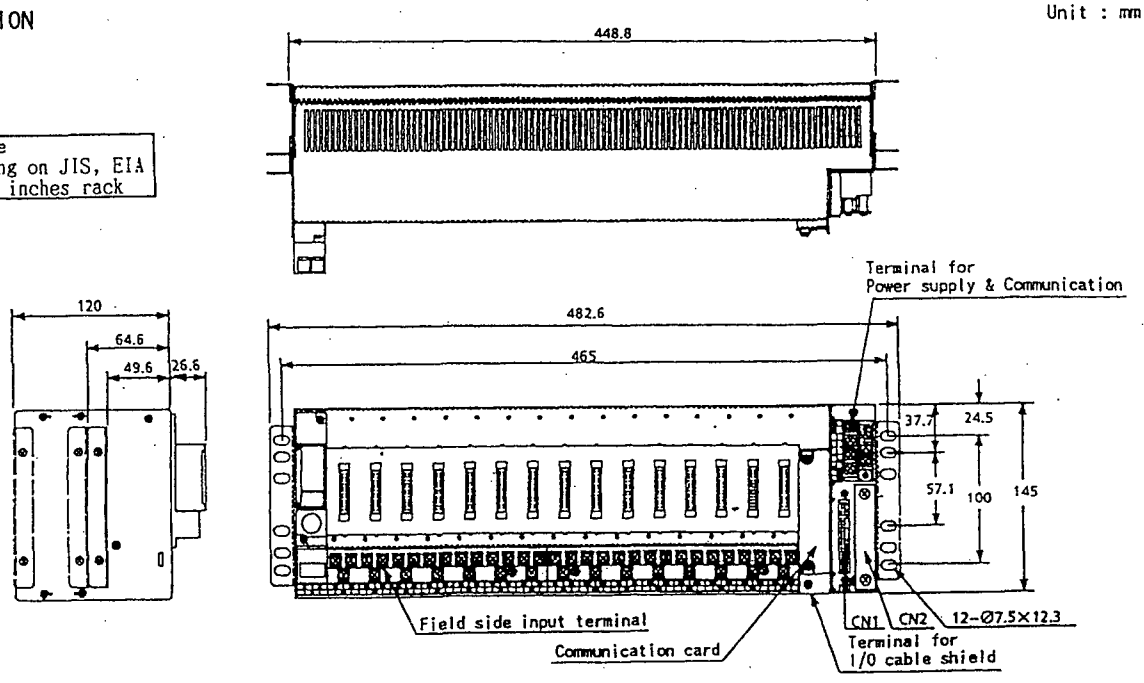
Standard Performance	
Insulation resistance	100MΩ or more (at 500V) between input/output terminal~power supply~ground~CN1·CN2
Voltage withstand	1500V AC/minute between input/output terminal~power supply, ground, CN1·CN2 500V AC/minute between power supply~ground~CN1·CN2
Temperature	0~50℃
Humidity	5~90%RH (no condensation)
Mounting, Shape & Accessories	
Connecting cable	KS2 for CN1, CN2
I/O signal connecting terminal	M4 screw terminal
Power supply·ground connection	M4 screw terminal
I/O cable shield connection	M3 screw terminal
Mounting method	Rack mount, wall mount (horizontal mount)
Nest mounting screw	M5x0.8 4
Paint color	Black
Weight	About 3.8 kgs
Accessories	Blind board Set blind board for slot on which no transmitter is mounted Metal fitting .....1 pair Tag Number label..... 16

Relation between Upper System Connecting Card and Signal Transmitter				
CN1 connecting card		CN2 connecting equipment	JUXTA D series signal transmitter	
Description	Input/output point		Mounting rule	Mounting example
(VM1) Multipoint analog input card	Input : 16 points	Connect to indicator, recorder or alarm setter, etc. through terminal block	Mount input signal transmitter on Slot 1~16	DA1, DT5, DR5, DM1, DF1/others
(VM2) Multipoint analog input/output card	Input : 8 points		Mount input signal trasnmitter on Slot 1~8	DA1, DT5, DR5, DM1, DF1/others
	Output : 8 points	———	Mount output signal transmitter on Slot 9~16	DA0, DM0 DQ0/others
(VM4) Multipoint analog output card	Output : 16 points	———	Mount output signal transmitter on Slot 1~16	DA0, DM0 DQ0/others
(PM1) Multipoint pulse train input card	Input : 16 points	Connect to Pulse Counter,.etc. through terminal block	Mount input signal transmitter on Slot 1~16	DP1/others

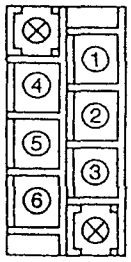
EXTERNAL DIMENSION

Unit : mm

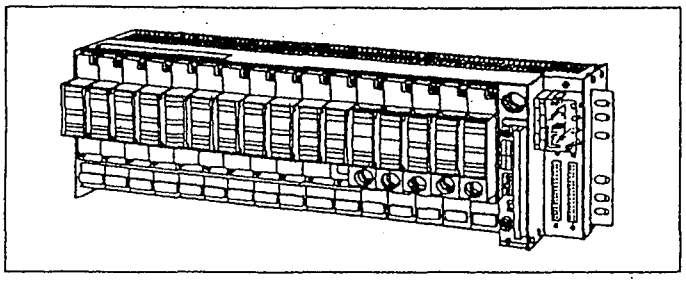
Note
Horizontal mounting on JIS, EIA specifications 19 inches rack



TERMINAL FOR POWER SUPPLY & COMMUNICATION



端子番号	DCE-30*A	DCE-31*A	
①	+	24V DC	
②	−		
③	⏚		
④		A(−)	RS485
⑤		B(+)	
⑥		SG	



WIRING AND PIPING OF FIELD SIDE I/O TERMINALS AND TRANSMITTER FRONT TERMINAL

The chart below shows relation between field side I/O terminal and transmitter front terminal and its I/O signal.
For example, DM1 shows to apply +signal for field side input termnial A and −signal for termnial C and B has no connection.

I/O terminal screw : M4xO.7

Input piping :
Rc 1/4 (PT 1/4) female screw

Signal Conditioner's Nests	Field side I/O terminal symbol A	B	C	Transmitter front terminal symbol 1	2	3	4	AIR
DM1, DT5	+		−			+	−	
						Output-2 use		
DR5	coincide wiring resistance of terminals A with B					+	−	
						Output-2 use		
DS1	100% 0% coincide wiring resistance of terminals A with C					+	−	
						Output-2 use		
DP1 DP3 2 wire type (voltage contact)	+		−					
DP1 DP3 Internal power supply of 2 wire type	Signal	Power Supply				+	−	
						Output-2 use		
DP1 DP3 Internal power supply of 3 wire type	+	Power Supply	−					
DH1 DH2 DH5	+		−			+	−	
						Output-2 use		
DA1 DA2 DA5 DA9	Use also when combination with BARD; 2 wire transmitter use; In case of no power supply					+	−	
						Output-2 use (Except DA9)		
DH0 DA0 DQ0	+		−					
DX1	+		−					
DG1				V ± L N		+	−	
						Output-2 use		
DB1				A ±		+	−	
						Output-2 use		
DD1				V ±		+	−	
						Output-2 use		
DF1				+	−			IN ⏚
				Output-2 use				

When DC current output, Output-2 is available through either one of 「CN2」 or 「transmitter front terminal」.

System side connecting cable

Connector No.	Signal	Cable Type
CN1	System side connecting signal	KS2
CN2	System side connecting signal	KS2

CN1 / CN2

40	39
38	37
36	35
34	33
32	31
30	29
28	27
26	25
24	23
22	21
20	19
18	17
16	15
14	13
12	11
10	09
08	07
06	05
04	03
02	01

CN1/CN2 Connector Pin Assignment

CN1/CN2 Pin No.	Slot No.		CN1/CN2 Pin No.	Slot No.	
40	1	+	20	11	+
39		−	19		−
38	2	+	18	12	+
37		−	17		−
36	3	+	16	13	+
35		−	15		−
34	4	+	14	14	+
33		−	13		−
32	5	+	12	15	+
31		−	11		−
30	6	+	10	16	+
29		−	09		−
28	7	+	08		
27		−	07		
26	8	+	06		
25		−	05		
24	9	+	04		
23		−	03		
22	10	+	02		
21		−	01		

Subject to change without notice for grade up quality and performance