

BATTERY ELIMINATOR

Type	V _i	V _o	I _o
GS-R28.0BE	10,5 to 16 V	7,5 V	750 mA

DESCRIPTION

The GS-R28.0BE is a switch mode constant voltage BATTERY ELIMINATOR that can deliver an output voltage of 7.5 V at 0,75 A of DC output current (Peak output current = 1.8 Ap).

Two versions of the INPUT PLUG ADAPTOR are available:

WASHER TIP VERSION:

GS-R28.0BE-E (Ordering Number)

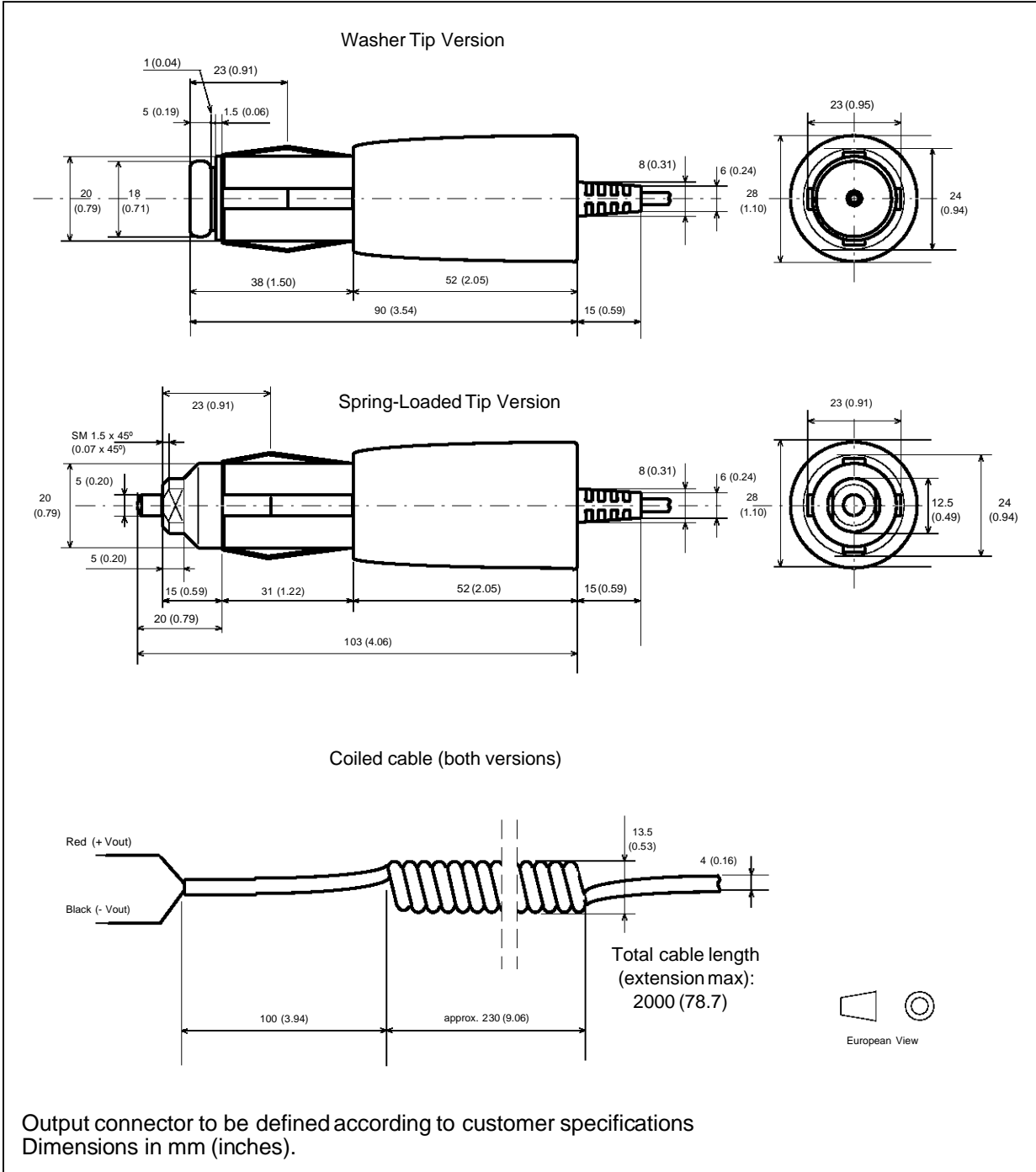
SPRING-LOADED TIP VERSION:

GS-R28.0BE-A (Ordering Number)
(See page 2 for mechanical data)


ELECTRICAL CHARACTERISTICS (T_{amb} = 25°C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V _i	Input Voltage	V _o = 7 to 8V	10.5		16	V
I _{iq}	Input Quiescent Current	V _{in} = 13.2V I _o = 0A		20	30	mA
V _o	Output Voltage	V _i = 10.5 to 16V I _o = 0 to 1.8Ap	7.0	7.5	8.0	V
I _o	Output Current	Continuous output current V _i = 10.5 to 16V V _o = 7.5V			750	mA
I _{op}	Peak Output Current	Duration: 0.6 ms every 4.8 ms V _i = 10.5 to 16V V _o = 7.5V			1.8	Ap
V _{or}	Output Ripple Voltage	V _i = 10.5 to 16V V _o = 7.5V I _o = 750 mA			100	mVpp
η	Efficiency	V _i = 13.2V I _o = 750 mA		70		%
f _s	Switching Frequency	V _{in} = 10.5 to 16V I _o = 0A to 1.8 Ap		100		kHz
T _{op}	Operating Ambient Temperature Range		- 20		+60	°C
T _{stg}	Storage Temperature Range		- 25		+85	°C

CONNECTION DIAGRAM AND MECHANICAL DATA



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