

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)

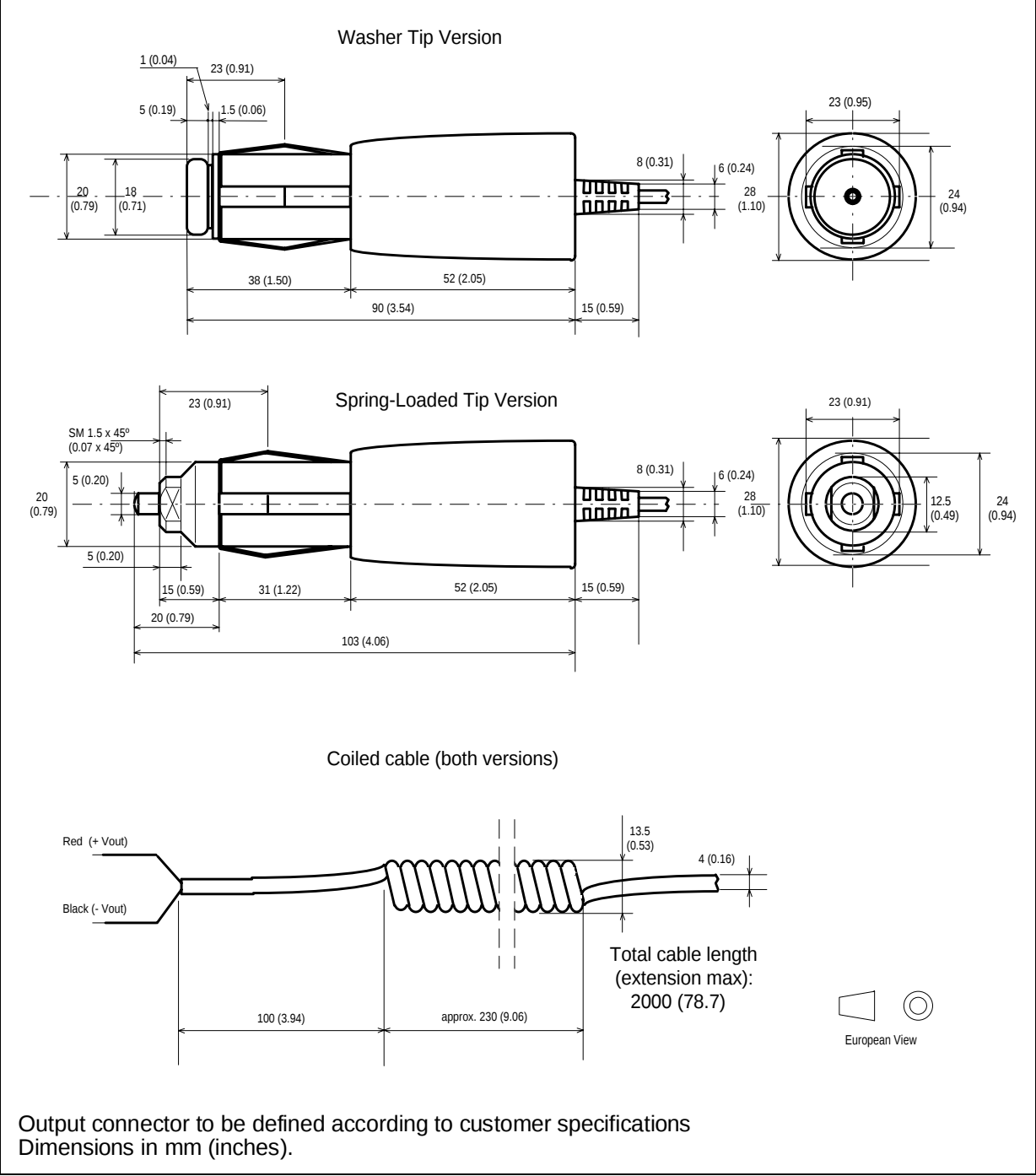
(See page 2 for mechanical data)



ELECTRICAL CHARACTERISTICS ($T_{amb} = 25^{\circ}\text{C}$ 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	$V_{in} = 13.2\text{V}$ $I_o = 0\text{A}$		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 $V_o = 7.5\text{V}$			750	mA
I_{op}	Peak Output Current	Duration: 0.6 ms every 4.8 ms $V_i = 10.5$ to 16V $V_o = 7.5\text{V}$			1.8	Ap
V_{or}	Output Ripple Voltage	$V_i = 10.5$ to 16V $V_o = 7.5\text{V}$ $I_o = 750\text{mA}$			100	mVpp
η	Efficiency	$V_i = 13.2\text{V}$ $I_o = 750\text{mA}$		70		%
f_s	Switching Frequency	$V_{in} = 10.5$ to 16V $I_o = 0\text{A}$ to 1.8Ap		100		kHz
T_{op}	Operating Ambient Temperature Range		- 20		+60	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range		- 25		+85	$^{\circ}\text{C}$

CONNECTION DIAGRAM AND MECHANICAL DATA



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