

**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:**

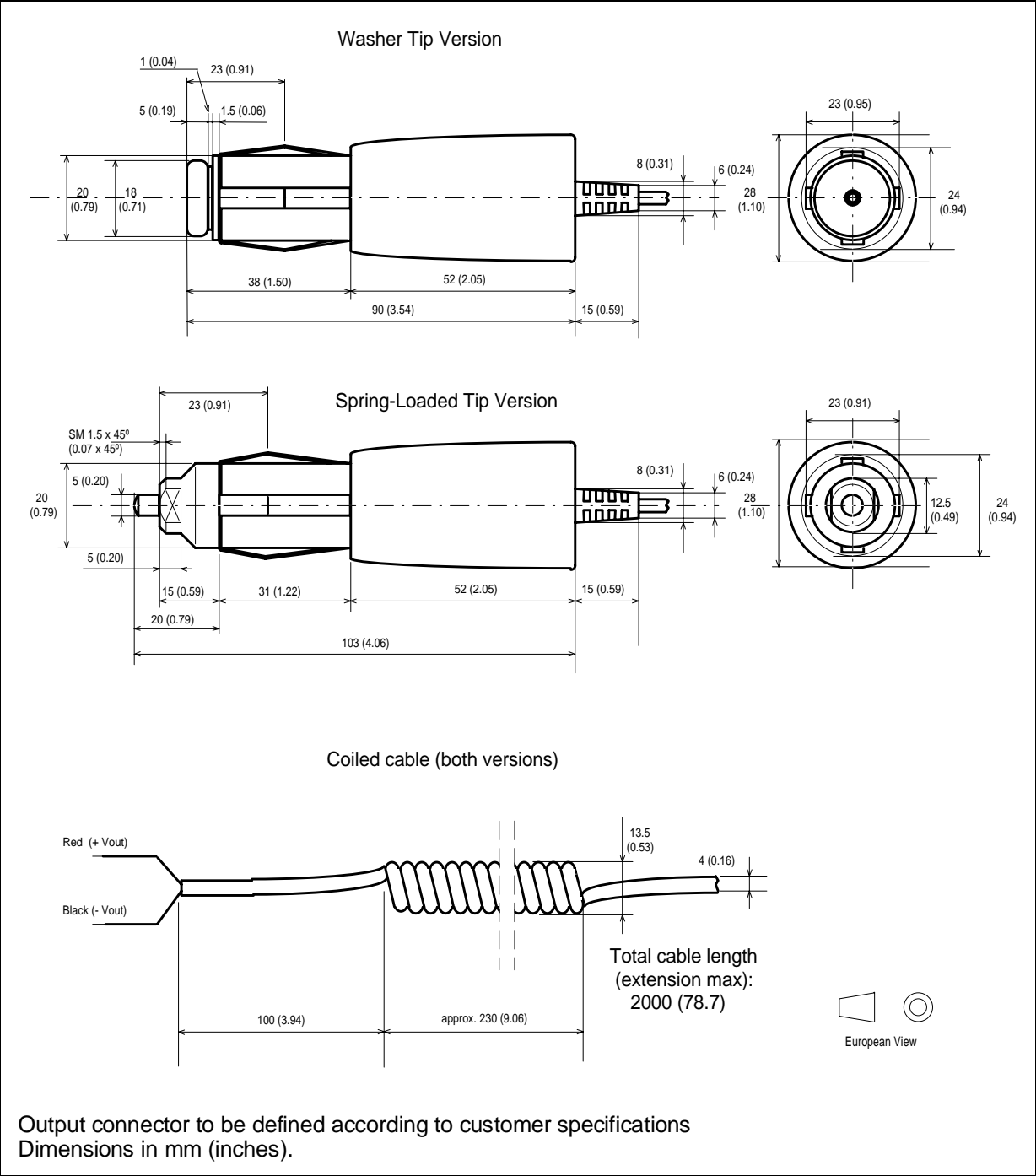
**GS-R28.0BE-A** (Ordering Number)

(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 $8\text{V}$	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 $16\text{V}$ $I_o = 0$ to $1.8\text{Ap}$	7.0	7.5	8.0	V
$I_o$	Output Current	Continuous output current $V_i = 10.5$ to $16\text{V}$ $V_o = 7.5\text{V}$			750	mA
$I_{op}$	Peak Output Current	Duration: 0.6 ms every 4.8 ms $V_i = 10.5$ to $16\text{V}$ $V_o = 7.5\text{V}$			1.8	Ap
$V_{or}$	Output Ripple Voltage	$V_i = 10.5$ to $16\text{V}$ $V_o = 7.5\text{V}$ $I_o = 750\text{mA}$			100	mVpp
$\eta$	Efficiency	$V_i = 13.2\text{V}$ $I_o = 750\text{mA}$		70		%
$f_s$	Switching Frequency	$V_{in} = 10.5$ to $16\text{V}$ $I_o = 0\text{A}$ to $1.8\text{Ap}$		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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