

Transmitter Supply Unit Series 8510



- > For use in Ex e-enclosure
- > Active output 0/4 ... 20 mA
- > Galvanic isolation between input, output and power supply
- > Intrinsically safe input

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06865E00

The transmitter supply units are used for intrinsically safe operation of 2- and 3- wire transmitters or for connection to intrinsically safe mA-sources.

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x			

Explosion Protection

Global (IECEx)

Gas | IECEx BVS 07.0029U
Ex d e IIC, Ex d e I

Europe (ATEX)

Gas | DMT 00 ATEX E 073 U
II 2G Ex d e IIC
I M2 Ex d e I

Certifications and certificates

Certificates | ATEX, IECEx, Belarus (operating authorisation)

E9

WebCode 8510V

Transmitter Supply Unit

Series 8510

Selection Table

Version	Schematic	Fitted device	Order number	Weight kg
1 channel		9160/13-11-11	8510/122-06-200-00	1.470

Technical Data

Electrical data

Safety data

Max. power P_o	576 mW
Max. current I_o	88 mA
Max. voltage U_o	27 V
Max. connectable capacitance C_o	
IIB	705 nF
IIC	90 nF
Max. connectable inductance L_o	
IIC	2.3 mH
IIB	14 mH
Insulation voltage U_m	253 V
Internal capacitance C_i	negligible
Internal inductance L_i	negligible

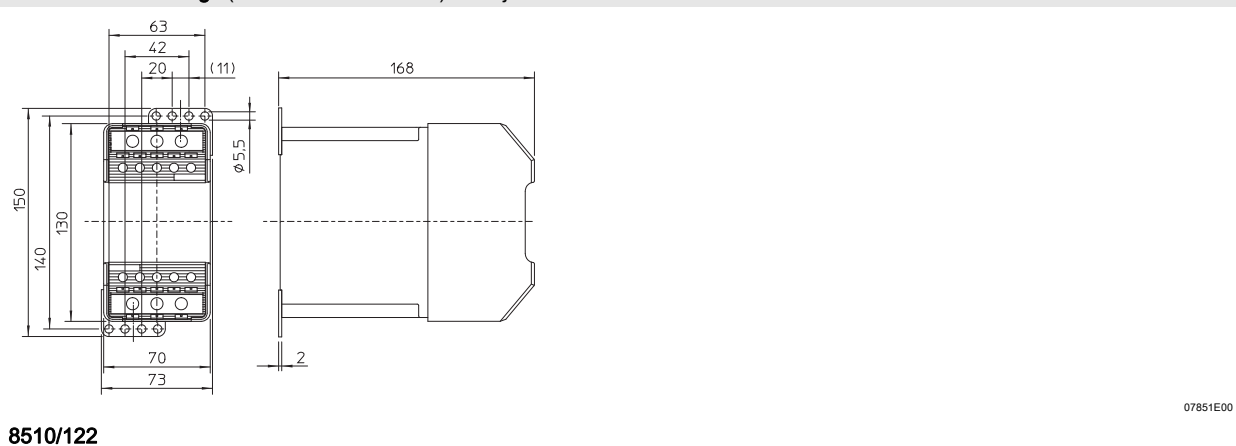
Ambient conditions

Ambient temperature	
Storage	- 50 °C ... + 80 °C
Operation at U_c	- 20 °C ... + 40 °C

Mechanical data

Material	
Enclosure material	Epoxy resin
Terminal cover	Polyamide; IP20, finger-contact safety according to IEC/EN 60529
Conductor cross-section	
Main contacts	1.5 ... 6 mm ² flexible 1.5 ... 10 mm ² solid
Auxiliary contacts	0.75 ... 1.5 mm ² flexible 0.75 ... 2.5 mm ² solid

Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.