

8510/122-20-001-00 Art. No. 145799



- Intrinsically safe power supply for field devices
- Stable voltages at intrinsically safe outputs
- Galvanic separation between output and auxiliary power

MY R. STAHL 8510T

Series 8510 Ex i power supply components as an isolator system for process automation and for connecting sensors, actuators and transmitters. At intrinsically safe outputs, they provide a stable output voltage for field devices such as 3- or 4-conductor transmitters, solenoid valves or controllers. Outputs and auxiliary power are galvanically separated from one another.

Technical Data

Explosion Protection

Application range (zones)	1 2
IECEX gas certificate	IECEX BVS 07.0029U
IECEX gas explosion protection	Ex de IIC
IECEX firedamp certificate	IECEX BVS 07.0029U
IECEX firedamp protection	Ex de I
ATEX gas certificate	DMT 00 ATEX E 073 U
ATEX gas explosion protection	Ⓔ II 2 G Ex de IIC
ATEX firedamp certificate	DMT 00 ATEX E 073 U
ATEX firedamp protection	Ⓔ I M2 Ex de I
Certificates	ATEX (BVS), Brazil (ULB), Canada (FM), China (CQST), IECEX (BVS), USA (FM)

Safety Data

Max. voltage U_o	11.4 V
Max. current I_o	200 mA
Max. power P_o	2.28 W
AC rated insulation voltage U_m	250 V

Electrical Data

Number of channels	1
Voltage range DC	18 to 35 V
Voltage range AC	20 to 28 V
Frequency	48 to 62 Hz
Min. nominal voltage	9.4 V
Max. nominal voltage	10.4 V
Max. open-circuit voltage U_a	10.5 V
Min. open-circuit voltage U_a	9.4 V
Max. nominal current I_n	180 mA

8510/122-20-001-00 Art. No. 145799

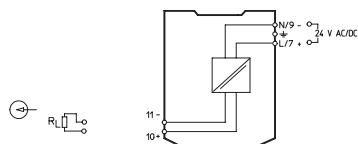
Ambient Conditions

Ambient temperature -20 °C ... +60 °C

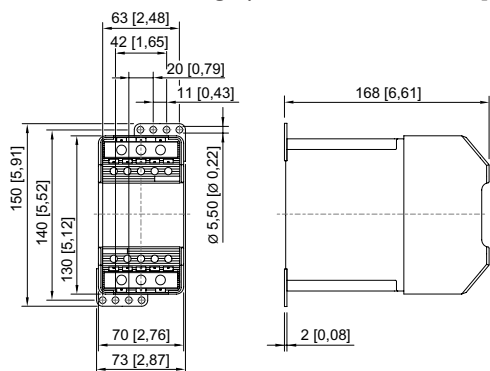
Mechanical Data

Degree of protection (IP)	IP20
Enclosure material	Epoxy resin
Min. connection terminals	1.5 mm ²
Max. solid connection terminals	10 mm ²
Max. finely stranded connection terminals	6 mm ²
Type of connection cable	Solid Finely stranded
Width	70 mm
Height	130 mm
Depth	168 mm
Built-in device	9143/10-114-200-10
Built-in device milled	No
Weight	1.6 kg
Weight	3.53 lb

Technical Drawings – Subject to Alterations



Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



8510/122

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.