

Accessories for purging systems

Disconnecter unit SR 852

Suitable for Ex- Zone 1 and 21
Up to 16 relays contacts (pairs)

Description

The disconnecter unit SR852 is designed to separate non- intrinsically safe interconnections direct in hazardous area in combination with a pressurized enclosure system. For this purpose the SR852 contains 8 respectively 16 galvanically separated relay contacts, which open when the control voltage fails.

The opening is safe with one fault, because there are two separate independent serial relay contacts for each interconnection. (Redundant, category 3) Using the terminal pair 9/19 and 10/20 it is possible to cascade several disconnecter units.



Properties

Ex- protection

- II 2 G; Ex e mb IIC T6 Gb (Ta: -20...40°C)
- II 2 G; Ex e mb IIC T4 Gb (Ta: -20...70°C)
- II 2 D; Ex tD A21 IP65 T80°C Db (Ta: -20...40°C)
- II 2 D; Ex tD A21 IP65 T130°C Db (Ta: -20...70°C)
- Trouble free mounting inside Ex- Zone 1 and 21

User friendly

- Compact design: H x W x D: 120 x 120 x 90 mm
- Simple cascading of many SR852s

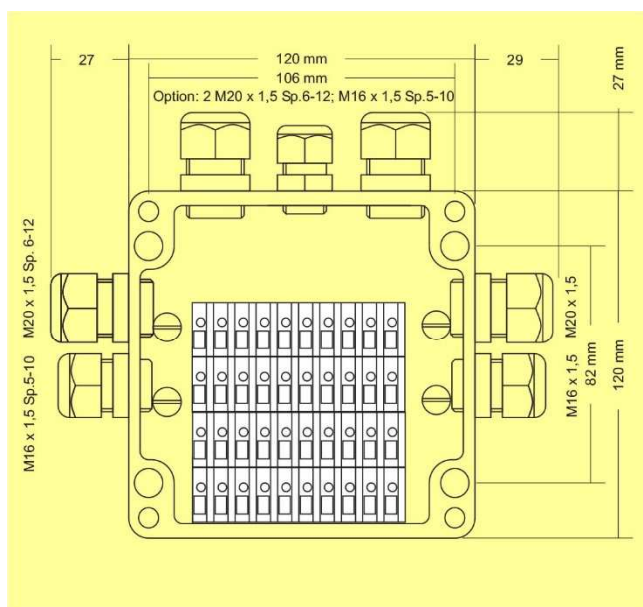
Switching capacity

- Up to 16 Ex e- contacts inside Ex- area within minimum space consumption
- Breaking capacity: 250V AC, 3A

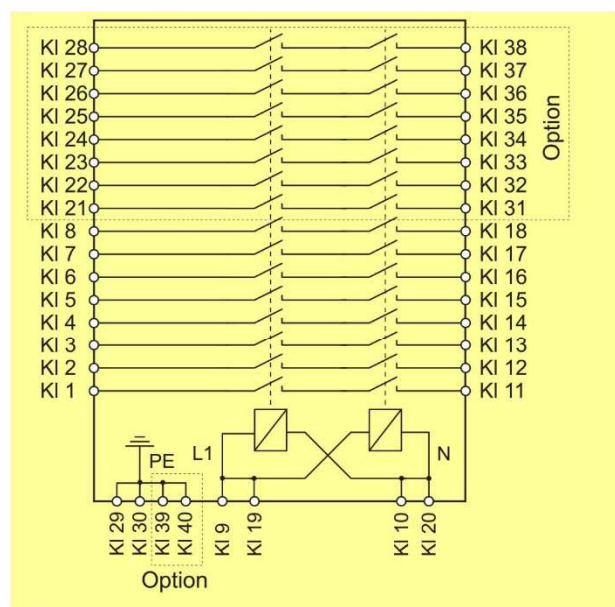
Safety

- Redundant relays design conform to concerned standards, category3

Technical details



Dimensions SR852.x.x,
Housing height: 90 mm



Block diagram SR852.x.x,

Disconnecter unit SR852		
General	Mounting	Inside hazardous area
	Ex-protection	II 2 G; Ex e mb IIC T6 Gb II 2 D; Ex tD A21 IP65 T80°C Db
	Device group	II 2 G / D
	EC type certificate	PTB 99 ATEX 2091
	Ambient temperature	-20°C .. 40°C at T6 / T80°C -20°C .. 70°C at T4 / T130°C
	Humidity	5 - 95%, non-condensing
Housing	Dimensions	120 x 120 x 90 mm
	Housing material	Aluminum, powder coated
	Color	RAL 7035
	Protection class	IP65
Electrical specification	Supply voltage [V]	SR852.0.x.x: 90 - 230V AC; 48 ..62 Hz SR852.6.x.x: 24 V DC +/- 10% voltage tolerance
	Power consumption	ca. 1 W at 8 contacts ca. 2 W at 16 contacts
	Maximum load of relays con- tacts	Max. 250V AC, 3 A Max. 30 V DC, 3 A
	Max. cable diameter	2,5 mm ²