

Accessoires for purging systems: Disconnecter unit

SR852

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



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 frendly

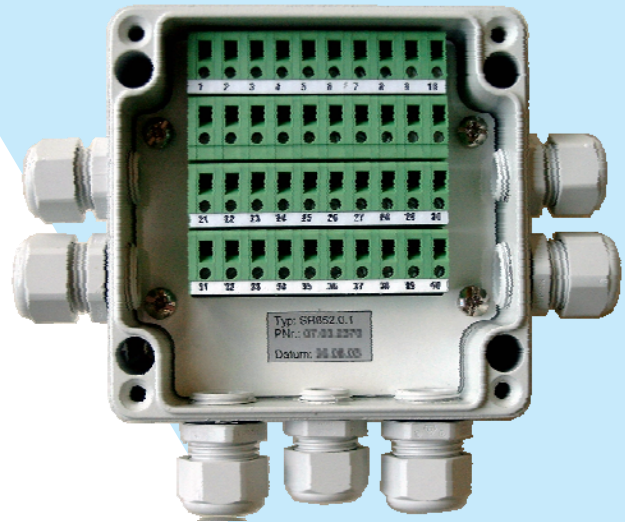
- Compact design: H x W x D: 120 x 120 x 90 mm
- Simple cascading of many SR852s

Switching capacity

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

Safety

- Redundant relais design conform to concerned standards, category3



Type code

SR852	.x	.x	.x
Mains:			
110 - 230V AC0		
24V DC6		
Relays contacts			
8 relays contacts0		
16 relays contacts1		
Ex i- status report function:			
absent0		
enabled1		

The quantity and size of required cable glands has to be specified on your order in clear text. Without any specification we set up 3 cable glands only.

Description

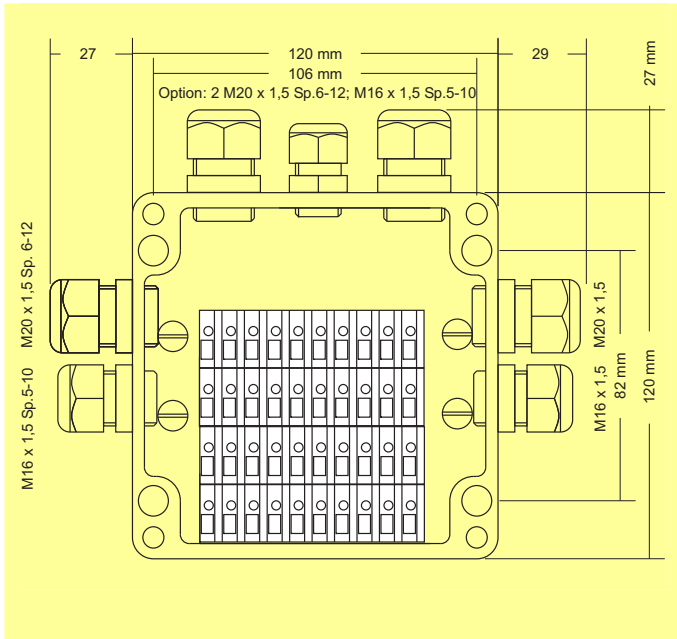
The disconnecter unit SR852 is designed to separate non intrinsically safe interconnections direct in hazardous area in combination with a pressurized enclosure system.

For this purpose the SR852 contains 8 respectively 16 galvanically separated relay contacts, which open when the control voltage fails.

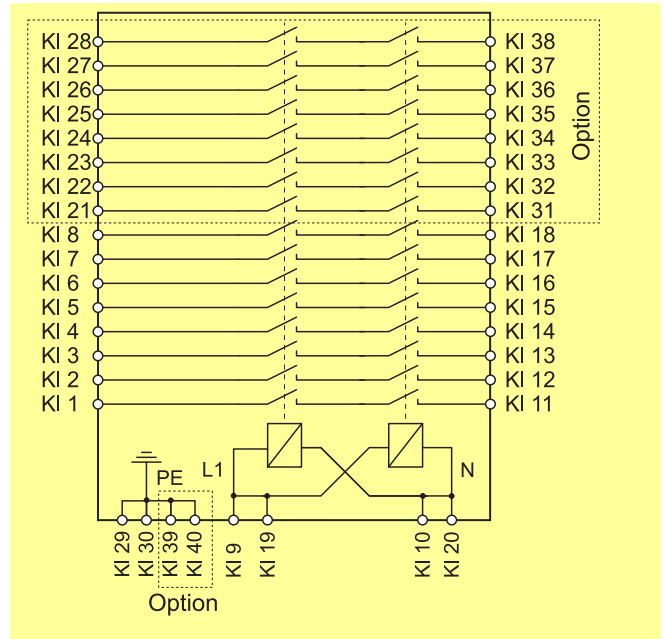
The opening is safe with one fault, because there are two separate independent serial relay contacts for each interconnection. (redundant, category 3)

Using the terminal pair 9/19 and 10/20 it is possible to cascade several disconnecter units.

Dimensions + Block diagram



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



Block diagram SR852.x.x,

Technical details

		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 contacts	Max. 250V AC, 3 A Max. 30 V DC, 3 A
	Max. cable diameter	2,5 mm ²

Gönnheimer Elektronik GmbH

http://www.goennheimer.de Email: info@goennheimer.de

Zertifiziertes

Qualitäts-

Managementsystem
nach
DIN EN ISO 9001

Dr.-Julius-Leber-Straße 2
67433 Neustadt/Weinstraße
Postfach 10 05 07
67405 Neustadt, Germany
phone: +49 (6321) 49919- 0
fax: +49 (6321) 49919 - 41

GÖNNHEIMER 02/2011, subject to change without notice