

Disconnecter unit SR852



PTB 99 ATEX 2091

Function

The disconnector unit SR852 is designed to separate non intrinsically safe connections in combination with a purging system.

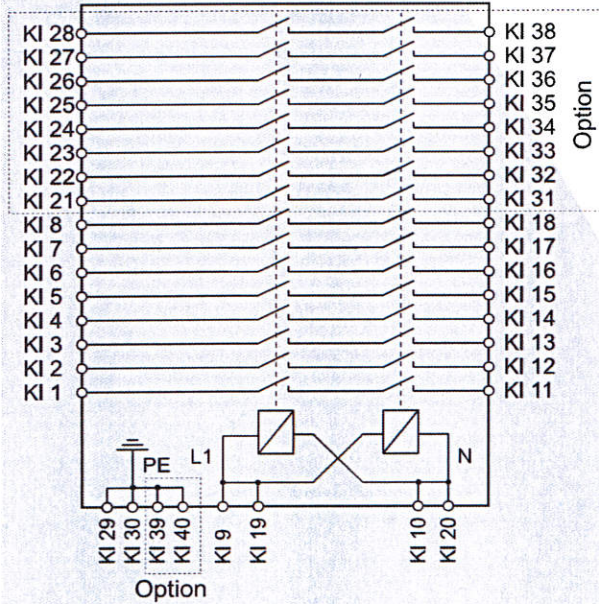
For this purpose the SR852 has 8 respectively 16 galvanically separated relay contacts, which open if the control voltage is low. The opening is safe with one fault, because there are two separate independent serial relay contacts for each interconnection.

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

Technical details

Mains	AC: 230V - 110V, 24V; 48 ..62 Hz; DC: 24V
Ex-protection	II 2 G; EEx e m II T6; Ta = 40°C II 2 G; EEx e m II T4; Ta = 70°C II 2 D; Ex tD A21 IP65 T80°C;/40°C II 2 D; Ex tD A21 IP65 T130°C;/70°C
Mounting	inside hazardous area
Relay contacts	AC: max. 250 V, 3 A DC: max. 30 V, 3 A
Ambient temp.	-20°C .. 70°C
Power consumption	ca. 1 W, by 8 channels ca. 2 W, by 16 channels
Protection class	IP65
Housing material	Aluminium, RAL 7035

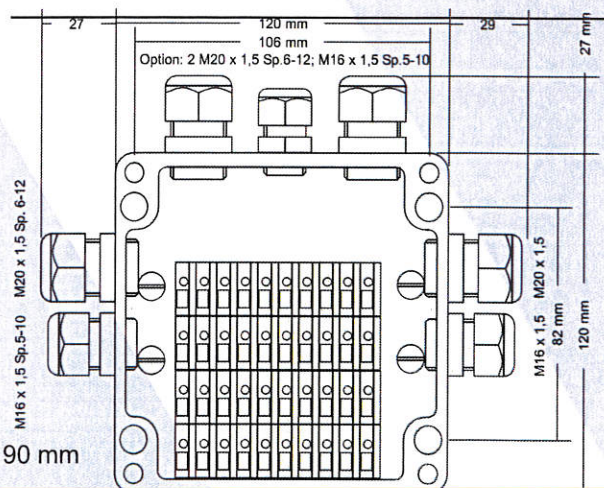
Block diagram



Type code

Disconnecter unit	SR852	.
Line voltage	110 - 230 V AC0
	24 V AC and DC6
8 interconnections	0
16 interconnections	1

Dimensions



Housing height: 90 mm

Gönnheimer, printed 11/05, subject to change without notice



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