

# Accessories for purging systems

## Power Relay SR 853

TÜV 02 ATEX 1824

### Description

The power relay SR853 is designed to separate non-intrinsically safe feed lines in combination with a purging system; inside hazardous areas. For this purpose the SR853 has 4 galvanically separated relay contacts, which open if the control voltage is low.

The opening is safe with one fault (acc EN 954-1, cat 3), due to two independent serial relay contacts for each line. The four relay contacts combined with the high switch power (400 V, 16 A, 4 kW) can disconnect a three-phase system with one compact unit.

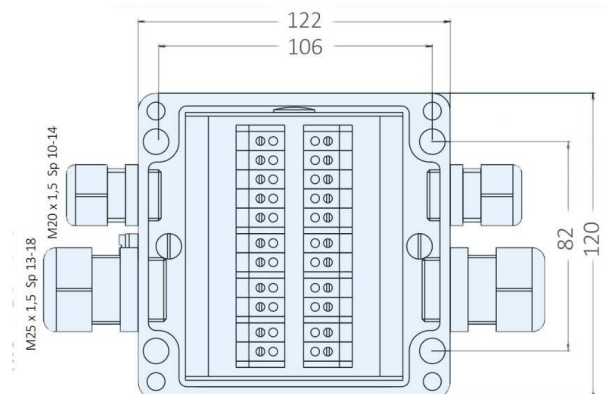
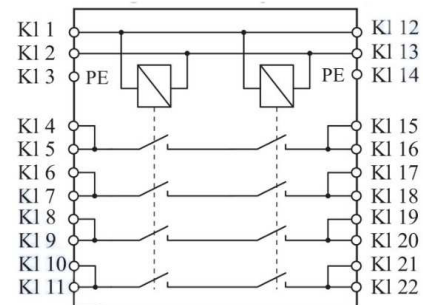
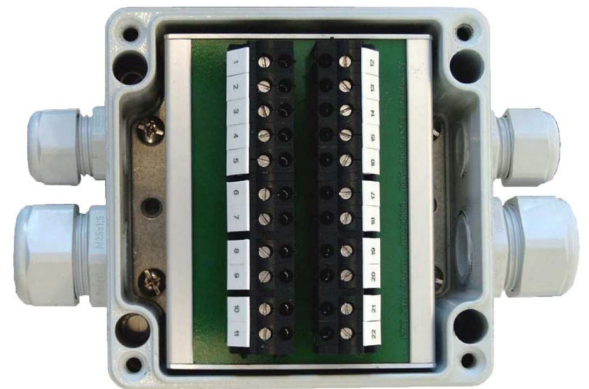
Using the terminal pairs 1/2 and 12/13 it is possible to cascade several power relays units.

The SR853 is available as compact power relay inside of an Ex e housing, as module without housing for mounting inside of a separate certificated Ex e housing or optional for mounting on a 35 mm rail acc. EN 50022.

### Technical details

Line voltage	AC: 230V, 120V, 24V; 48 ..62 Hz, DC: 24V
Ex-protection	EEx e q II T4
Device group	II 2 G
Certificate	TÜV 02 ATEX 1824
Mounting	Hazardous area
Ambient temperature	-20°C .. 60°C
Switch power	AC: max. 420 V, 16 A DC: max. 28 V, 16 A 4000 VA (cos φ = 0,7)
Max cable diameter	4 mm <sup>2</sup>
Power consumption	ca. 5 W
Housing protection	IP65 (SR853.X.0)
Dimensions	Housing: 120 x 122 x 90 mm Module: 85 x 106 x 70 mm
Housing material	Aluminium, powder-coated, RAL 7035

See certificate TÜV 02 ATEX 1824 for more information



Housing height: 90mm