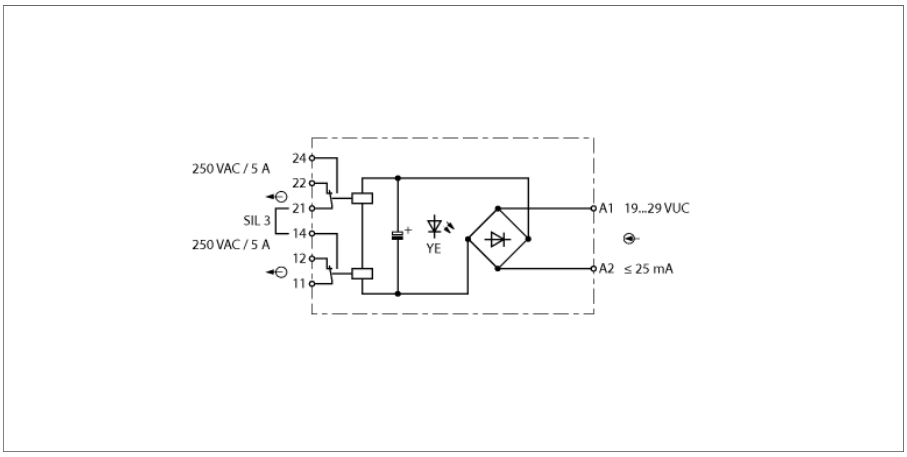
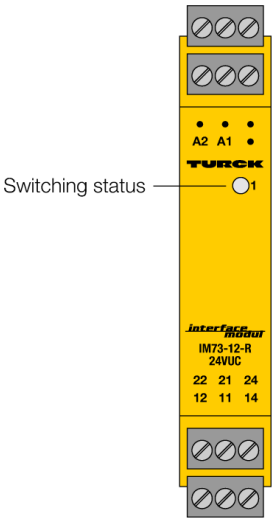
Relay coupler
1-channel
IM73-12-R/24VUC





The IM73-12-R/24VUC 1-channel relay coupler is particularly suitable for use as a coupling module for the safe galvanic isolation of binary signals. 2 synchronous controlled relays, each with 1 changeover contact are provided at the output.

If applied in SIL-3 circuits, the following conditions have to be observed:

- If the output relay triggers a contactor directly, the contactor must be equipped with a protective circuitry at the coil connection.
- Both relays have to be connected in series.
- The contact circuit is equipped with a fuse and is activated at 60 % nominal current.

The status of the relay is indicated via LED on the front.

- Output circuit: 2 relays each with 1 changeover contact
- 5 A switching current at 250 VAC
- Operating voltage 19…29 VDC
- Removable terminal blocks
- SIL3
- Galvanic isolation between input circuits and output circuits
- TR CU

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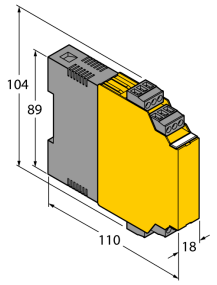
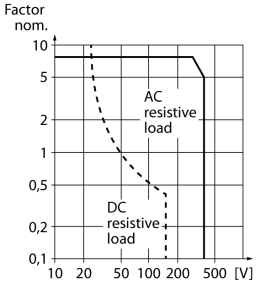
Type	IM73-12-R/24VUC
ID	7520712
Nominal voltage	24 VUC
Frequency	48…62 Hz
Operating voltage U_B	19…29 VDC
Power consumption	≤ 0.6 VA
Voltage input	19…29 VAC/VDC
Input current	25 mA
Output circuits	
Output circuits (digital)	2 x relays (change-over)
Switching current per output	≤ 5 A
Switching capacity per output	≤ 2000 VA/180 W
Switching frequency	≤ 5 Hz
Galvanic isolation	
Test voltage	2.5 kV RMS
Approval	SIL 3 acc. to EXIDA FMEDA
Displays/Operating elements	
Switching state	Yellow
Mechanical data	
Protection class	IP20
Flammability class acc. to UL 94	V-0
Ambient temperature	-25…+70 °C
Storage temperature	-40…+80 °C
Dimensions	104 x 18 x 110 mm
Weight	128 g
Mounting instructions	DIN rail (NS35) or panel
Housing material	Plastic, Polycarbonate/ABS
Electrical connection	4 × 3-pin removable terminal blocks, reverse polarity protected, screw terminal
Terminal cross-section	1 × 2.5 mm²/2 × 1.5 mm²
Tightening torque	0.5 Nm

Dimensions



Load curve



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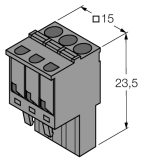
Accessories

Type code	Ident no.		Dimension drawing
IM-CC-3X2BK/2BK	7541218	Cage clamp terminals for IM modules (Ex-devices with 18 mm overall width); includes: 4 pcs. of 3-pin black terminals	

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