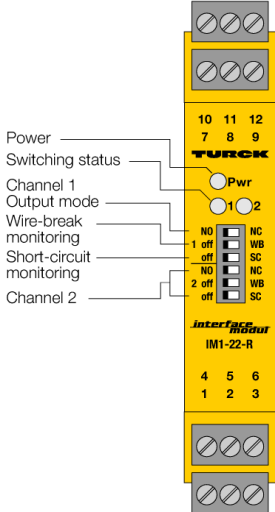
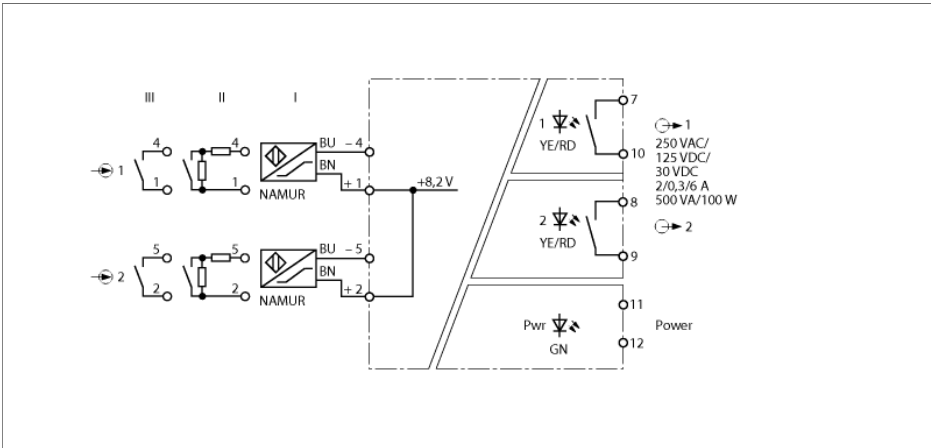


**Isolating switching amplifier
2-channel
IM1-22-R**



2-channel IM1-22-R isolating switching amplifier
The output circuits feature 2 relays, each with one NO contact.

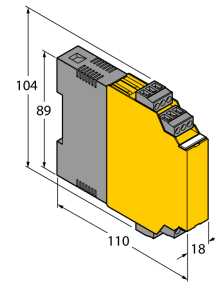
Six front panel switches are available to set the output mode separately for each channel (NO/NC mode), as well as to enable/disable wire-break (WB) and short-circuit (SC) monitoring separately.

The green LED indicates operational readiness. A 2-color LED indicates the switching status of the corresponding output yellow. In the event of input circuit error, the related 2-color LED changes to red, provided the input circuit monitoring function is activated. Thereupon the correspondent output relay drops out.

- SIL2
- 2 relay outputs (NO)
- Signal flow direction adjustable (NO/NC)
- Input circuits monitored for wire-break/short-circuit (ON/OFF switchable)
- Removable terminal blocks
- Complete galvanic separation

**Isolating switching amplifier
2-channel
IM1-22-R**

Type code	IM1-22-R
Ident no.	7541234
Nominal voltage	Universal voltage supply unit
Operating voltage	20...250 VAC
Frequency	40...70 Hz
Operating voltage range	20...125 VDC
Power consumption	≤ 3 W
Output circuits (digital)	2 x relays (NO)
Relay switching voltage	≤ 250 VAC/120 VDC
Switching current per output	≤ 2 A
Switching capacity per output	≤ 500 VA/60 W
Switching frequency	≤ 10 Hz
Contact quality	AgNi, 3μ Au
Galvanic separation	
Test voltage	2.5 kV
Rated voltage	250 V
Approval	SIL 2
MTTF	400 years acc. to SN 29500 (Ed. 99) 40 °C
Indication	
Operational readiness	green
Switching state	yellow
Error indication	red
Mechanical Data	
Protection class	IP20
Ambient temperature	-25...+70 °C
Storage temperature	-40...+80 °C
Relative humidity	≤ 95%
Dimensions	104x 18x 110 mm
Weight	144 g
Mounting instruction	For mounting on DIN rail or mounting panel
Housing material	Polycarbonate/ABS
Electrical connection	4 x 3-pole removable terminal blocks, reverse polarity protected, screw connection
Terminal cross-section	1 x 2.5 mm ² / 2 x 1.5 mm ²
Tightening torque	0.5 Nm



Accessories

Type code	Ident no.	Description	Dimension drawing
IM-CC-3X2BK/2BK	7541218	Cage clamps for IM modules (non-Ex devices, width 18 mm): 4 black, 3-pin, included in delivery	