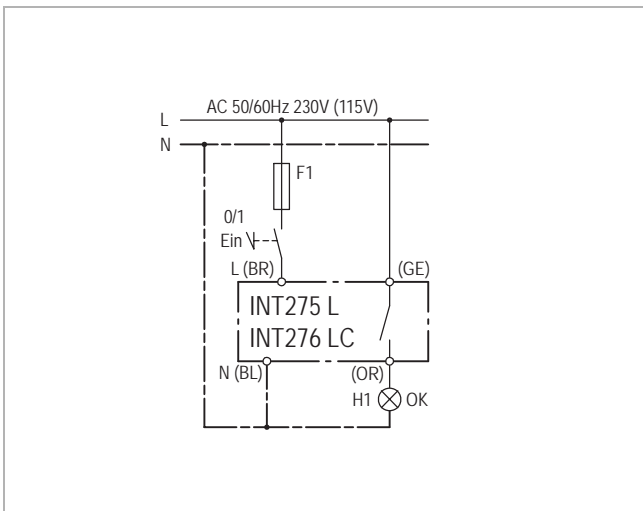


INT275 L[®] Level monitor

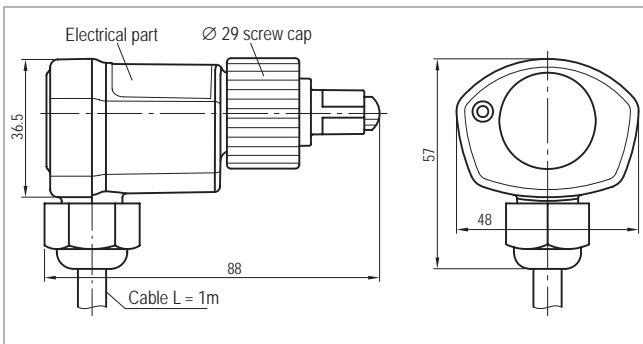
INT275 L[®]



INT275 L



Wiring diagram



Dimensions in mm

Installation instructions

Mounting: The maximum torque of the screw-in unit is about 75Nm and has to be ensured by a ring spanner or a socket key. The mounting for the electronics (especially the glass) needs to be checked for cleanliness. After mounting the proper sealing has to be checked. Insert the evaluation unit in the screw-in unit and screw tight by hand with the coupling ring (torque about 10Nm). Make sure that the cable outlet points down. The electrical connection needs to be carried out according to the proposal in the wiring diagram.



The unit must be connected by trained electrical personnel. All valid European and national standards for connecting electrical equipment must be observed.

Application

The INT275 L optical monitoring unit is used for contactless monitoring of the liquid level. This is accomplished by a screw-in unit installed at the measuring point for optical level scanning as well as an electronic, removable evaluation unit. The evaluation unit can be replaced without opening the reservoir of the monitored media. The relay trips 3 seconds after connecting the supply voltage. From this point onwards the level monitoring starts. If no level is detected or if there is a fault, the relay switches off after a delay. If the fault is cleared or if the level reaches the good range, the relay picks up again after a delay. The potential-free, normally open contact can be looped into a safety circuit without an auxiliary relay. The own monitoring system of the optics integrated into the INT275 L ensures increased operational reliability. An installation check monitors the proper assembly.

Technical specifications

Screw-in unit

Exclusively applicable screw-in units, see Technical data sheet 700.00294.

Evaluation unit

Supply (52 S...)	AC 50/60Hz 230V -15...+10%, ≤3VA
Supply (41 S...)	AC 50/60Hz 115V -15...+10%, ≤3VA
Supply (20 S...)	AC/DC 50/60Hz 24V -15...+10%, ≤3VA

Permitted ambient temperature	-30...+60°C
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Delays:

- Relay On after applying the supply voltage	3s ±1s
- Relay off (level missing)	5s ±2s
- Relay off (error)	5s ±2s
- Relay on (level good)	5s ±2s
- Relay on (no errors)	5s ±2s

Output relay	AC 240V 2.5A C300 >AC/DC 24V, >20mA
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Mechanical service life	Approx. 10 ⁶ switching cycles
Connecting cable	4xAWG-18 cable (0.75mm ²), L=1m, colour coded

Protection class acc. to EN 60529	IP54 in built-in status
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Housing material	PA66/PA6, glass-fibre-reinforced
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Mounting	Union nut
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Weight	Approx. 160g
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Check base	EN 61000-6-2 EN 61000-6-3 EN 61010-1
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Approval	UL File No. E222056
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Order data

INT275 L Evaluation unit	
230V version	52 S 475 S60
115V version	41 S 475 S60
24V version	20 S 475 S60