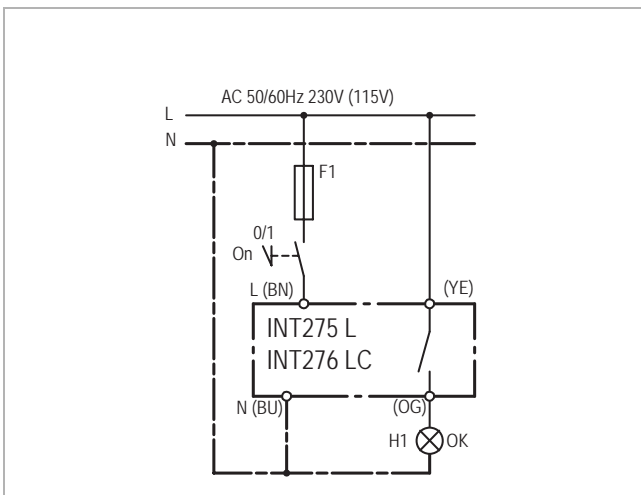


INT276 LC[®] Level monitor

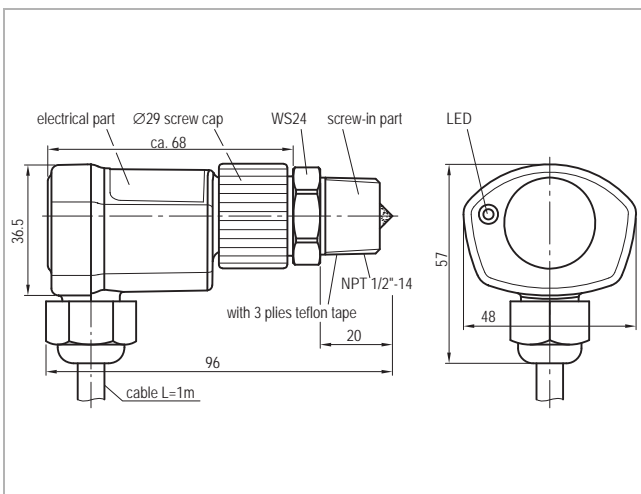
INT276 LC[®]



INT276 LC



Wiring diagram



Dimensions in mm

Application

The INT276 LC 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. 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 INT276 LC ensures increased operational reliability. An installation check monitors the proper assembly. The built in LED indicates the operating state and further operational statuses with flash codes as they occur:

- OK
- Error
- Level too low

Installation instructions

Mounting: The proper sealing at the change-over point depends on the application case and needs to be ensured by the user. The maximum torque 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. 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 wiring diagram. After refilling the container, check the seal.

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

Technical specifications

Supply voltage (52 S...)	AC 50/60Hz 230V ±10%
Supply voltage (41 S...)	AC 50/60Hz 115V ±10%
Permitted ambient temperature	-30...+60°C
Max. medium temperature	+80°C
Max. medium application temperature	+80°C
Delays:	
- The relay trips after connecting the supply voltage	3s ±1s
Level monitoring after relay on	
- 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 Min. >24V AC/DC >20mA
Mechanical service life	Approx. 10 ⁵ switching cycles
Connecting cable	4xAWG18 (0.75mm ²) L = 1m, colour-coded
Protection class acc. to EN 60529	IP54 in built-in status
Housing material	PA66/PA6, glass-fibre-reinforced
Mounting	Union nut
Weight	Approx. 160g
Check base	EN 61000-6-2 EN 61000-6-3 EN 61010-1
Approval	UL File No. E222056
Exclusively applicable screw-in units, see Technical data sheet 700.00294.	

Order data

INT276 LC Evaluation unit	
230V version	52 S 476 S60
115V version	41 S 476 S60