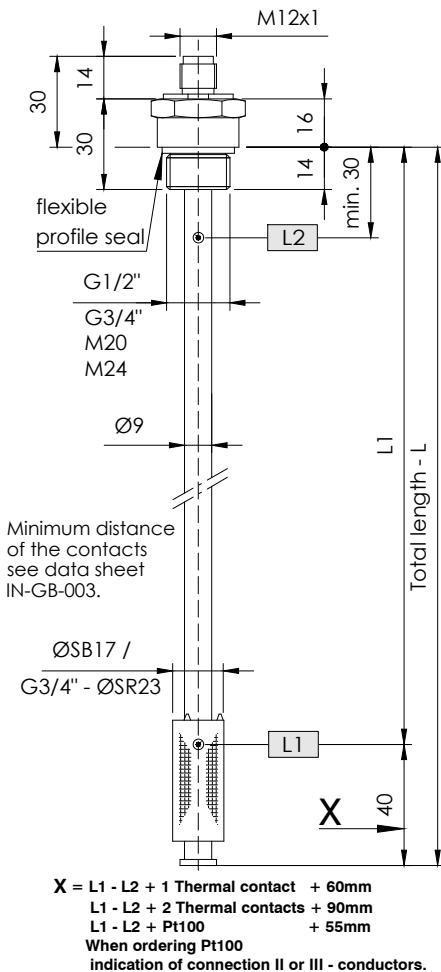


NR 1/2" - 3/4" - M20 - M24 - EExi

Level regulator for tank insert



serial No. Date
EX - GB - 100A 02/25



Connection variants

Order code

Switching amplifiers Ex i

Data sheet: EX - D - 900

- 1 Canal, 1 Changer - 24 VDC
- 1 Canal, 1 Changer - 230 VAC
- 2 Canal, 2 Changer - 24 VDC
- 2 Canal, 2 Changer - 230 VAC

Separation stage Ex für Pt100

Data sheet: EX - D - 901

- 1 Canal - 24 VDC

Ex-Zone

No-Ex-Zone



Specimen order

NR1/2"- EExi - L250 - 01 - L1/190/S - T70Ö - M12

Tank connection:

- G1/2"
- G3/4"
- M20
- M24

Switching point L1-L2/
mm from sealing edge

Ö = break

S = make

Function with
increasing level

Plug socket connector:

- M12 - 24V
- 3+PE-DIN 43650
- 6+PE-DIN 43651
- HAN I
- HAN II

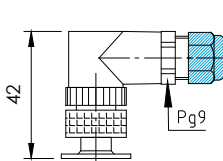
Total length-L
of switching tube(mm)

Level contact type
01 = fixed, plain

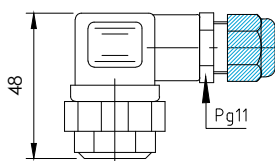
- T10Ö
- T40Ö
- T50Ö
- T60Ö (S)
- T70Ö (S) (Ö preferred)
- T80Ö (S)
- T90Ö
- Pt100
- Thermal contact
(Indicate T1... - T2... for
two thermal contacts)

Connector variants

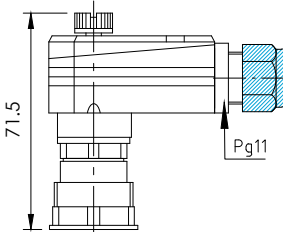
Plug connection
M12 IP67
5-polig



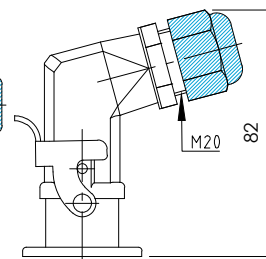
Plug connection
3+PE IP65
EN 175301-803
(DIN 43650)



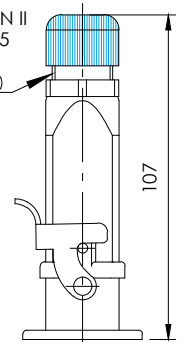
Plug connection
6+PE IP65
EN 175201-804
(DIN 43651)



HAN I
IP65



HAN II
IP65



Description

The level regulator type NR 1/2", 3/4", M20, M24 - EExi for tank insert is a solenoid switch operating without contact with the function of monitoring and regulating liquid levels and temperatures. The switching tube contains bistable protective gas contacts, fixed in position. For fixed contacts, the contact intervals and their function must be given. The permanent magnet built into the float switches the contacts when the level changes. The switching difference (hysteresis) is 4 mm. For temperature monitoring and regulation, thermal elements such as thermal contacts or Pt100 can be additionally incorporated. The level regulator is maintenance - free when nondeposit media are used.

The device must only be installed by specialists.

Max. viscosity 150mm²/S

Technical data

Switching tube
Connection

Nominal pressure
Temperature of medium
Float
Medium density
Level contacts
Contact details
Thermal element
Thermal contact
electrical Connection

Number of functions
Mounting position

Brass, max. L = 800mm
Brass: G 1/2", SW27
Brass: G 3/4", SW32
Brass: M20x1,5
Brass: M24x1,5
1 bar max.
100°C max.
Hart Pu, Type: SB17 / SR23
0,80 kg/dm³ min.
bistabil, Make / Break
Datasheet: IN-GB-003
Pt100 / Datasheet: IN-GB-005
Datasheet: IN-GB-006
For connection to certified intrinsically safe circuits in type of protection EExi only, EN 60079-11, suitable for Group II Category 2 (Zones 1 and 21), Category 3 (Zones 2 and 22), temperature class IIC-T4, max. 3 can be incorporated vertical ± 30°



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Level regulator

Plug variants series EExi



serial No. Date
EX - GB - 100A - 02/25

1 - 4 Level = L	Level = L + Thermal contact = T	Level = L + Pt100	Resistance thermometer Pt100
1 Level contact M12 3+PE (DIN 43650) 6+PE (DIN 43651) HAN I HAN II	1 Level contact + 1 Thermal contact M12 6+PE (DIN 43651) HAN I HAN II		Pt100 Sensor Three-wire connection M12 3+PE (DIN 43650) 6+PE (DIN 43651) HAN I HAN II
2 Level contacts M12 6+PE (DIN 43651) HAN I HAN II	1 Level contact + 2 Thermal contacts 6+PE (DIN 43651) HAN I HAN II		Pt100 Sensor Four-wire connection M12 6+PE (DIN 43651) HAN I HAN II
3 Level contacts 6+PE (DIN 43651) HAN I HAN II	2 Level contacts + 2 Thermal contacts HAN I HAN II	1 Level contact + Pt100 Sensor 6+PE (DIN 43651) HAN I HAN II	Temperature monitor 1 Temperature contact M12 3+PE (DIN 43650) 6+PE (DIN 43651) HAN I HAN II
4 Level contacts HAN I HAN II	3 Level contacts + 1 Thermal contact HAN I HAN II	2 Level contacts + Pt100 Sensor HAN I HAN II	2 Temperature contacts M12 6+PE (DIN 43651) HAN I HAN II



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