THE DATASHEET OF

SHR-2

SHR-1-M, SHR-1-N, SHR-2, SHR-3 | Level sensors

EAN code
SHR-1-M: 8595188110105
SHR-1-N: 8595188111379

SHR-1-M: brass sensor
SHR-1-N: stainless steel sensor

- Sensor to control flooding.
- Suitable for use in drinking water.
- Electrode with diametr 4 mm (0.2") is placed in plastic cover.
- Panel or to holder mounting.
- Conductor is connected to terminal board, shrink bushing for feeder place insulation is a part of device.
- Max. wire profile: 2.5 mm² (AWG10).
- Installation: after connecting a wire to the sensor, run the shrink bushing over the wire onto the sensor.
- Heat the sensor and by shrinking the connection of sensor and wire will be hermetical.
- Weight: 9.7 g (0.3 oz.).
- Operating temperature: -25 °C to +60 °C (-13 °F to 140 °F).
- Total sensor lenght: 65.5mm (2.58 ").

EAN code
SHR-2: 8595188111263

Level probe **SHR-2**

- Detection sensor is electrode, which in connection with switchable device is used for level detection for example in wells, tanks,...
- To be ued in electric conductive fluids and mechanically polluted fluids with temperature: 1°C to 80°C (33.8 °F to 176°F).
- Suitable for use in drinking water.
- Stainless steel one-pole electrode reside in PVC cover, intended for tank wall mounting or mounting by socket.
- To ensure corret function of the sensor, it is necessary to have the electrode without dirt which could disable the connection of the electrode and fluid and thus lead to malfunction.
- Max. wire profile: 2.5 mm² (AWG 10).
- Recomended wire D05V-K0.75/3.2.
- Installation:
  - conductor wire is connected by feazing of two brass screws to stainless steel electrode.
  - conductor is caulked by bushing Pg7 with protection degree IP68.
- Weight: 48.6 g (1.7 oz.)
- Dimensions: max. diameter 21 mm (0.8"), lenght 96 mm (3.8").

SHR-2 in open state

EAN code
SHR-3: 8595188111270

Level probe **SHR-3**

- Stainless probe to be used into demanding industrial environments, designated for screwing into tank wall or cover.
- Suitable for use in drinking water
- The probe is installed in horisontal, vertical or in sidelong position on tank side or in tank cover. Installation is done by soldering or by fixing nut. It is necessary to use 24 mm (1") screw. It is necessary to use an adequate torque with regards to a seal and operational overpressure in a tank.
- Sensor has connecting wire - lenght 3 m, which is connected to sensor to scan electrode and sensor bushing connecting wire is double-wire PVC AWG 18 (0.75 mm²), connection of wires: brown - scan electrode, blue - sensor bushing.
- Connection M18x1.5 screw.
- Protection degree IP 67.
- Sensor weight without cable: 100 g (3.3 oz.).
- Operating surroundings: place without the danger of detonation, temperature on screw: max. 95°C (203°F).
- Pressure immunity: on 25 °C (77 °F) 4 MPa, on 95 °C (203 °F) 1.5 MPa.
- Weight: 239 g (8.4 oz.).
- Material: bushing and sean electrode: stainless steel W.Nr. 1.4301, insulation insert of electrode: PTFE.
- Internal material: self - extinguishing epoxide resin.
- Operating temperature: -25 °C to 60 °C (-13 °F to 140 °F).
- Total sensor lenght: 65.5mm (2.58 ").

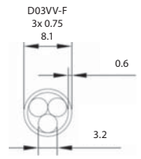
D03VV-F | Three-core cable

EAN code
D03VV-F 3x0.75/3.2: 8595188165884

Technical parameters	D03VV-F 3x0.75/3.2
Rated voltage:	300 / 300 V
Test voltage:	2 kV
Capacity:	max. 12.3 nF / 100 m (328´)
Core diameter with insulation:	3.2 mm (0.12")
Overall diameter of cable:	8.1 mm (0.31")
Section:	0.75 mm² (AWG 18)
Length:	1 m (39.37")

- Cable to probes SHR-1 and SHR-2, 3x 0.75 mm² (AWG 18) with a certification for drinking water, 1m (39.37").
- Construction:
  - bright copper stranded core of hole
  - core insulation of special PVC
  - sheath of special PVC.
- Technical specifications and usage:
  - the product meets requirements for direct and permanent contact with drinking water according to § 5 of the Act. 258/2000 Decree of the Ministry of Health. 409/2005 Sb., On hygienic requirements for products coming into direct contact with drinking water and water treatment
  - usable up to 70 °C (158 °F)
  - suitable for submersible conductivity probes for the boreholes, wells and tanks
  - suitable for probes used for level detection of conductive liquids.
  - cable capacity is max. 12.3 nF / 100 m (328´)

Cross-section



D05V-K | Power cable

EAN code
D05V-K 0.75/3.2: 8595188165945

Technical parameters	D05V-K 0.75/3.2
Rated voltage:	300 / 500 V
Test voltage:	2 kV
Capacity:	max. 12.3 nF / 100 m (328´)
Core diameter with insulation:	3.2 mm (0.12")
Section:	0.75 mm² (AWG 18)
Length:	1 m (39.37")

- Cable to probes SHR-1 and SHR-2, 3x 0.75 mm² (AWG 18) with a certification for drinking water, 1m (39.37").
- Construction:
  - bright copper stranded core of hole
  - insulation of special PVC.
- Technical specifications and usage:
  - the product meets requirements for direct and permanent contact with drinking water according to § 5 of the Act. 258/2000 Decree of the Ministry of Health. 409/2005 Sb., On hygienic requirements for products coming into direct contact with drinking water and water treatment
  - usable up to 70 °C (158 °F)
  - suitable for probes used for level detection of conductive liquids.

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