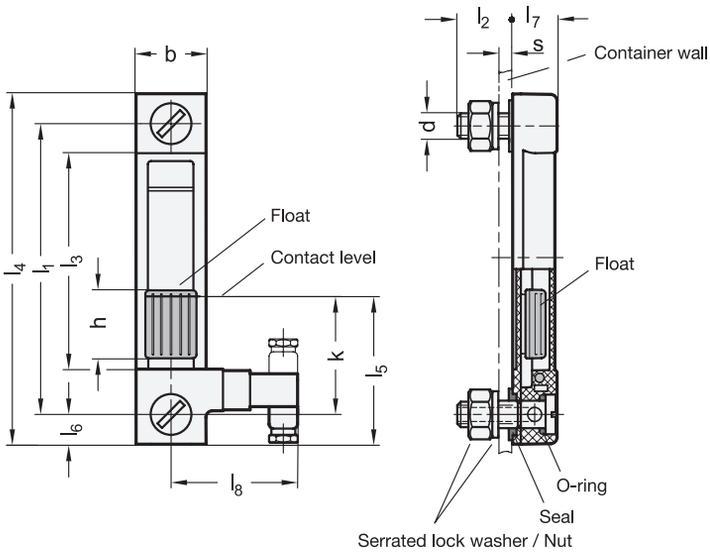


Metric

elesa
Original design HCV-E

2 Type

LS With normally open contact
LO With normally closed contact
LW With change-over contact

Metric table

Dimensions in: millimeters - *inches*

1 l_1	b	d Thread	h	k	l_2	l_3	l_4	l_5	l_6	l_7	l_8	s ≈ Max. wall thickness	Max. compressive strength in bar
76 *2.99*	30.5 *1.20*	M 10	20 *0.79*	40 *1.57*	20 *0.79*	43.5 *1.71*	102 *4.02*	53 *2.09*	13 *0.51*	19.5 *0.77*	55 *2.17*	8 *0.31*	18
127 *5.00*	30.5 *1.20*	M 12	30 *1.18*	50 *1.97*	20 *0.79*	97 *3.82*	153 *6.02*	63 *2.48*	16 *0.63*	19.5 *0.77*	55 *2.17*	6 *0.24*	18
254 *10.00*	30.5 *1.20*	M 12	30 *1.18*	50 *1.97*	20 *0.79*	224 *8.82*	280 *11.02*	63 *2.48*	13 *0.51*	19.5 *0.77*	55 *2.17*	6 *0.24*	12

Specification

- Plastic housing
  Crystal-clear polyamide (PA-T)
  - Aging resistant
  - High mechanical strength
  - Temperature resistant up to 194 °F (90 °C)
  - Solvent resistant, but not alcohol resistant
  - Avoid contact with hot water
- Contrast screen
  White painted aluminum
- Float
  Plastic (Polyamide PA), black
  - Glass fiber reinforced
  - With built-in magnet
- O-rings
  Rubber NBR (Perbunan®)
- Set screw, hex nut, serrated washer
  Steel, zinc plated, blue passivated finish
- *IP Protections Classes → page QVX*
- *Elastomer Characteristics → page QVX*
- *Plastic Characteristics → page QVX*
- RoHS compliant

Information

With EN 656.1 fluid level indicators, the fluid level can not only be viewed, it can also be monitored using an electric contact.

A float with a magnet is located within the indication range which closes or opens a contact at a certain fluid level (REED switch).

The table values for the maximum allowable pressure are based on the use of mineral oil (according to ISO 3498) at a temperature of 73 °F (23 °C). Use under different conditions will influence the compressive strength and requires prior consultation.

see also...
• *Fluid Level Indicators EN 654 → page QVX*

How to order

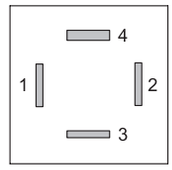
1 2
EN 656.1-76-LS

1	**Distance of the screws l_1**
2	**Type**

Plug Characteristics

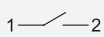
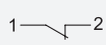
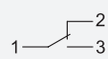
Connector:	DIN EN 175301-803 type C
Cable fitting:	PG 7, for a cable diameter of 6 to 7 mm
Cable cross section:	max. 1,5 mm²
Protection class:	IP 65

Notice: Magnetic fields can cause interference!



Fluid Level Monitoring

The fluid level is measured by means of a float with a built-in magnet which opens or closes a contact (REED switch) when the minimum fluid level is reached.

Electrical details	Type **LS** (Normally open)	Type **LO** (Normally closed)	Type **LW** (Changeover contact)
Maximum contact voltage:	140 V AC, 200 V DC	140 V AC, 150 V DC	140 V AC, 150 V DC
Maximum current on contact:	1,2 A	2 A	2 A
Maximum switch capacity:	10 W	20 W	20 W
Operating symbol:			

Assembly Instructions for the Cable Connection

1. Loosen mounting screw and remove connector plug.

2. Push the contact insert out of the connector housing.

3. Loosen cable fitting, slip the cable through the connector housing, and connect the wires to the contact insert.

4. Push the contact insert back into the connector housing in the required position, tighten the cable fitting to the relieve strain and to seal the cable.

5. Push the connector plug onto the contacts of the fluid lever indicator and then secure it with the mounting screw.