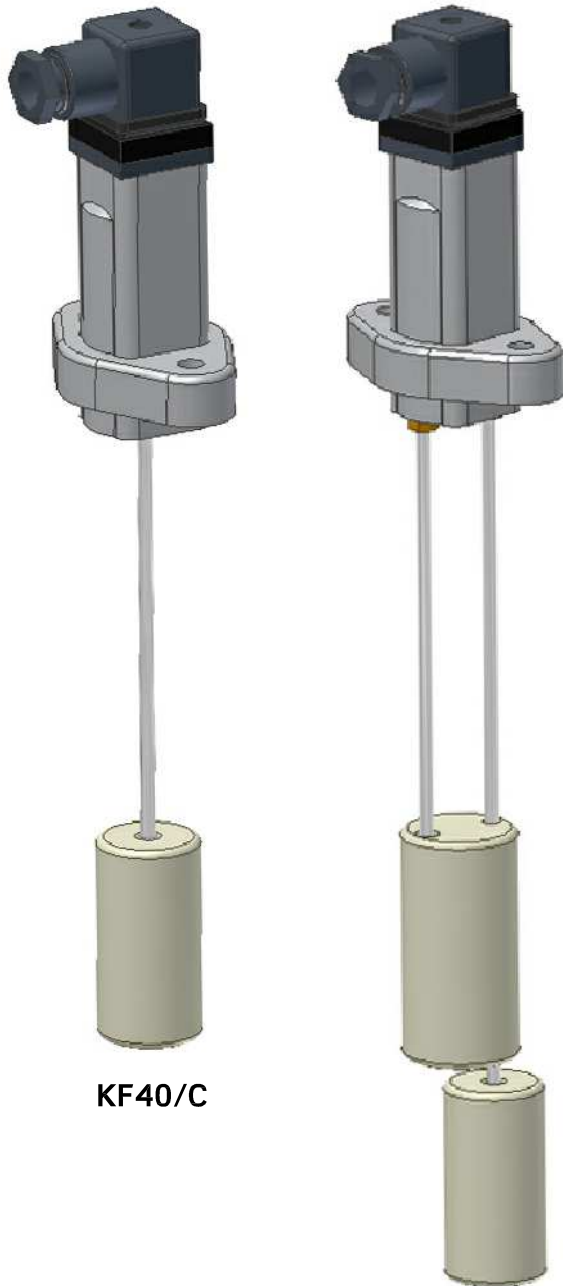


Level switches with non-magnetic float

KF40

481.400.000



KF40/C

KF40/D-E-F-G

Application

For the monitoring of water level, oil, cutting-oil, etc..

The float is non-magnetic therefore it can be used in liquids that have ferric materials.

Operation

The float is fixed to the pipe which incorporates a permanent magnet at the top part accommodated inside the flange.

The float's vertical movement makes the magnet work magnetically over a contact assembled inside the flange.

Detection types

KF40/C = 1 level detection

KF40/D-E-F-G = 2 levels detection (minimum and maximum)

Modification of contact length

The length of the contact point can be adjusted by removing the float and cutting down the pipe to the required length.

Technical characteristics

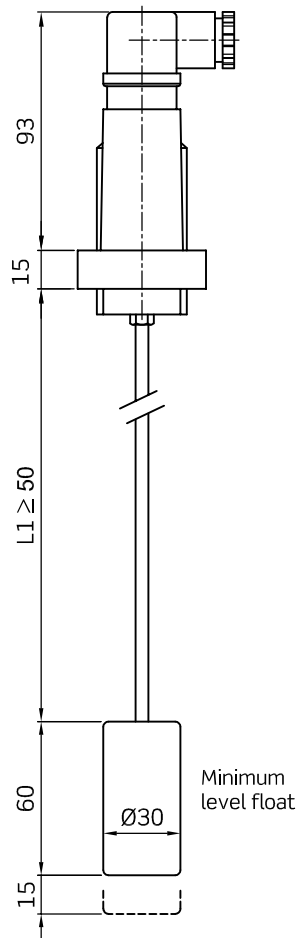
Guide pipe material..... Aisi 304
Float material.....expanding foam
Temperature range..... -20°C...+80°C
Assembly position..... ± 10° vertical
Protection degree..... IP54
Max. pressure..... 2 bar
Reed switch:
Voltage..... 230 VUC
Connection..... 0,5 A
Power breakdown..... 30 W

Warning

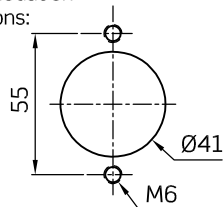
High input voltage (voltage peaks), inductive or capacitive loads may affect negatively the operation of reed contacts and they could even destroy them.

Under certain circumstances this energy can be transformed into an electric arc that can cause contact welding therefore it is appropriate to install protective circuits such as diodes or RC elements.

KF40/C

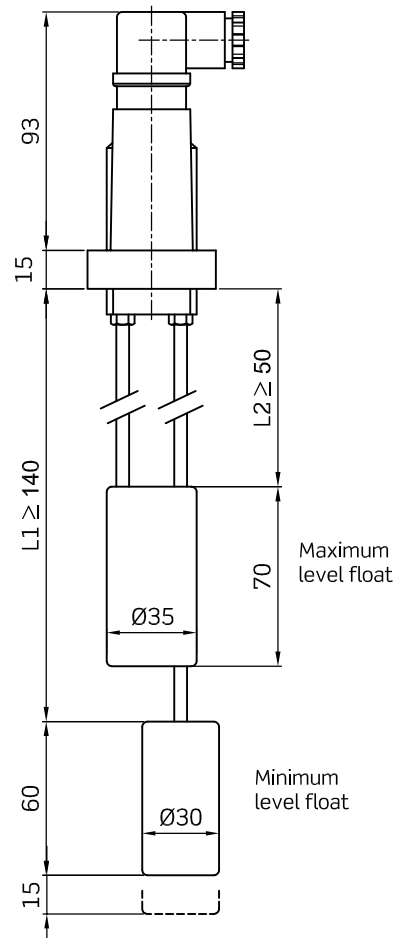


Accommodation dimensions:

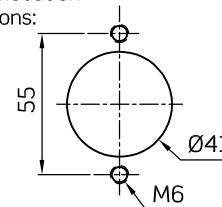


Guide pipe material: **Aisi 304**
 Float material: **expanding foam**
 Mounting flange material: **nylon**
 Sealing joint: **NBR**
 Connector DIN43650 M16x1.5

KF40/D-E-F-G

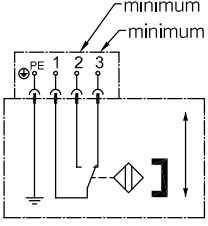
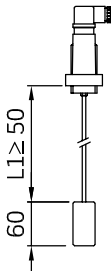
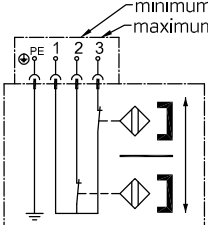
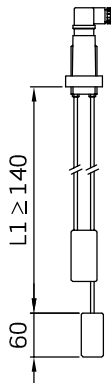
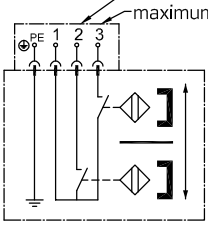
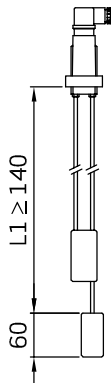
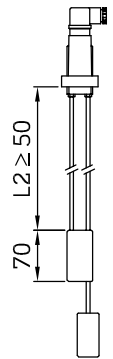
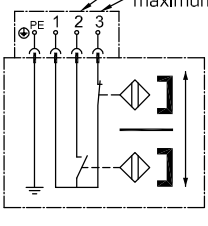
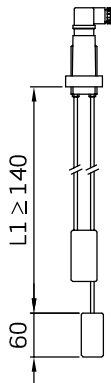
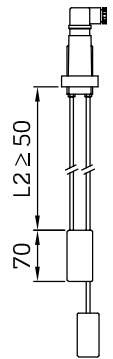
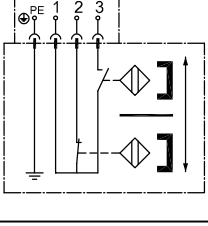
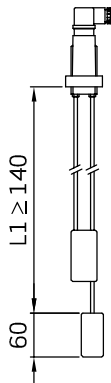
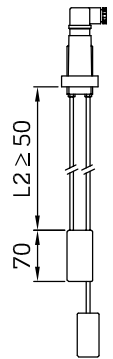


Accommodation dimensions:



Guide pipe material: **Aisi 304**
 Float material: **expanding foam**
 Mounting flange material: **nylon**
 Sealing joint: **NBR**
 Connector DIN43650 M16x1.5

KF40 / X - 10 / /

Detection type	X	Operation	L1 (mm)	L2 (mm)
Minimum level	C	<p>With full tank the float closes contact 1-2. As the tank empties the float opens 1-2 on its descending route and closes 1-3 when it reaches the minimum level. As the float rises the cycle reverses.</p> 		—
	D	<p>With full tank the maximum level 1-3 and minimum level 1-2 contacts are open. As the tank empties the maximum level float closes 1-3 on its descending route. The minimum level float closes contact 1-2 when it reaches the bottom stop. As the floats rise the cycle reverses.</p> 		—
Maximum and minimum levels	E	<p>With full tank the maximum level 1-3 and minimum level 1-2 contacts are closed. As the tank empties the maximum level float opens 1-3 on its descending route. The minimum level float opens contact 1-2 when it reaches the bottom stop. As the floats rise the cycle reverses.</p> 		
	F	<p>With full tank the maximum level contact 1-3 is open and minimum level contact 1-2 closed. As the tank empties the maximum level float closes 1-3 on its descending route. The minimum level float opens contact 1-2 when it reaches the bottom stop. As the floats rise the cycle reverses.</p> 		
	G	<p>With full tank the maximum level contact 1-3 is closed and the minimum level contact 1-2 open. As the tank empties the maximum level float opens 1-3 on its descending route. The minimum level float closes contact 1-2 when it reaches the bottom stop. As the floats rise the cycle reverses.</p> 		

The diagrams shown refer to levels assembled in tanks without oil
The length of the contact point can be adjusted removing the float and cutting down the pipe to the desired length.