

Features

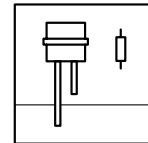
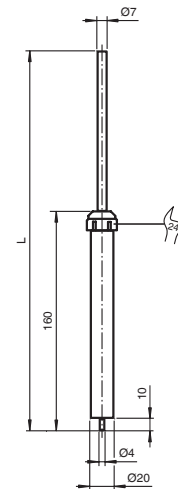
- Sensor for conductive limit value detection
- Simple and robust installation
- Application in deep wells and drainage shafts

Function

An electrode relay provides the measuring AC voltage for the electrode.

If the product comes into contact with conductive batch, the measuring circuit between electrode and wall of vessel is closed and the electrode relay is switched.

Assembly



Connection

General specifications	
Type	sensor for conductive limit value detection
Equipment architecture	A measuring system consists of a suspension electrode HR-690121 with electrode relay KFA6-ER 1.6, KFD2-ER 1.6, KFD2-ER-Ex1.W.LB or KFA6-ER-Ex1.W.LB.
Versions	HR-690121/05, suspension electrode, 5 m (5.5 yd) cable, PVC HR-690121/10, suspension electrode, 10 m (11 yd) cable, PVC HR-690121/20, suspension electrode, 20 m (22 yd) cable, PVC
Input	
Measured variable	measuring voltage directly from the electrode relay
Output	
Output signal	electrode relay creates switch signal corresponding to the selected responsiveness.
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2006 , EN 61326-2-3:2006
Conformity	
Degree of protection	IEC 60529:2001
Operating conditions	
Process conditions	
Process temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Material	thread, cable insulation and electrode: PVC electrode tip: stainless steel 1.4571/316Ti
Dimensions	electrode: Ø20 mm (0.8 inch), length 160 mm (6.3 inch) cable: length max. 20 m (21.9 yard)
General information	
Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

Release date 2016-07-14 14:55 Date of issue 2016-07-14 t3027_eng.xml

Type Code



*This overview does not mark options which are mutually exclusive.
Option with * = on request/in preparation*

Device	
HR-690121	Conductive limit switch

Cable length	
05	5 m (5.5 yard)
10	10 m (10.9 yard)
20	20 m (21.9 yard)

Release date 2016-07-14 14:55 Date of issue 2016-07-14 t3027_eng.xml

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com