



Fill level measurement

for conductive leak detection of electrically conductive filling materials; with separated or compact electronics



Conductive leakage electrode:
PUK / PUKK

Description

The leakage probes of the series PUK / Pukk are used in conjunction with a suitable evaluation for conductive leakage monitoring of electrically conductive products.

The leak detector is designed for a wide range of applications. The conductivity, even of aggressive contents, from 1 $\mu\text{S}/\text{cm}$ are recorded at process temperatures from -20°C to $+60^\circ\text{C}$.

Once the electrically conductive filling material forms a connection between the electrodes, a measurable current is flowing, which causes a reaction of the connected evaluation unit.

By the use of an AC voltage the corrosion of the electrode and the electrolytic decomposition of the contents is avoided.

An additional module (diode module LBM) for line monitoring in the housing can be installed in the device. In the event of a line break between the leak probe and a suitable evaluation the evaluation may issue an alert.



Application

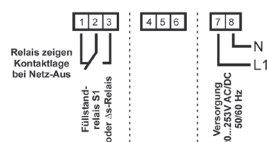
- Suitable for ground mounting
- Leakage monitoring in drip trays, raised floors, suspended ceilings, computer rooms with cooling channels

Your benefits

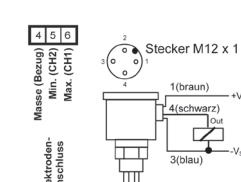
- Compact version with evaluation electronics in the head possible
- High protection against major water damage and system failures

Connection

with relay output
terminal assignment



PNP-switch output
Plug M12x1



PNP-switch output
terminal assignment



Technical data

Technical data	
Process pressure max:	pressureless
Medium temperature:	$-20^\circ\text{C} \dots 60^\circ\text{C}$
Material connection head:	POM / polypropylene (PP) / PTFE
Material probes:	Stainless steel 1.4571, 1.4404 / Hastelloy® C

Specials

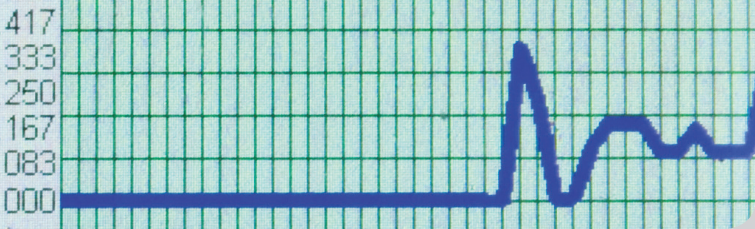
corrosion
resistant



easy
installation

AC/DC
[]

adjustable
sensitivity



Bestellschlüssel

Order code	Model	0	Standard
	number electrodes	2	2 electrodes
	Material electrodes (medium contact)	A	Steel 1.4404 (316L) / 1.4571 (316Ti)
		Y	Others
	Material housing (medium contact)	D	POM – polyoxymethylene (Delrin®)
		P	PP – polypropylene
	Electrical connection	K	Terminal box
		V	Cable 5 m - silicone
		Y	Cable others length
	Circuit monitoring	A	Without circuit monitoring
		B	With circuit monitoring (Diodenmodul LBM)

PUK	0	2				
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Order code	Electrical connection	K	Terminal box
		V	Cable 5 m - silicone
		Y	Cable others length
	Auxiliary power	G	DC voltage 24 V DC
		U	AC / DC voltage 20 ... 30V AC / DC
	Electronic output	A	1x PNP switch output (only at electronic supply type G)
	B	1x relay output (only at electronic supply type U)	
	Model	2	2-electrodes 1x limit
	Process connection	A	Screw fixing
	Material electrodes (medium contact)	A	Steel 1.4404 (316L) / 1.4571 (316Ti)
		D	Hastelloy® C 4
		Y	Others
	Material housing (medium contact)	D	POM – polyoxymethylene (Delrin®)
		P	PP – polypropylene
		T	PTFE – Polytetrafluoroethylene (Teflon®)

PUKK	2	A
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In use



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