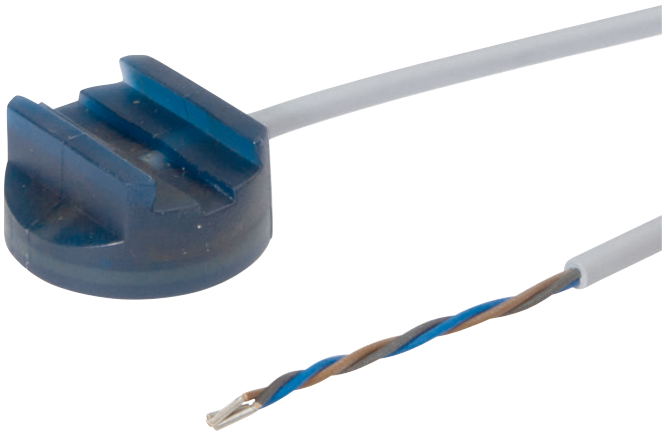
KBRC0103

CAPACITIVE SENSORS • INCREASED SWITCHING DISTANCE

sensor capacitive, Ø30mm 14long, Flush, Sn: 15, 10-35V DC, 1x PNP NO, Cable 2m PVC, IP68, PA, LED, Teach-In



MECHANICAL FEATURES

Active area material of sensor	Polyamide PA
Ambient temperature	-25 °C ... 70 °C
Cable length	2 m
Degree of protection (IP)	IP68
Design	Cylinder plain
Devices for hose / pipe mounting	+
Housing material	Polyamide PA
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure-proof	-
Sensor diameter	30 mm
Sensor height	14 mm
Sensor length	14 mm
Wire cross section	0.14 mm²

ELECTRICAL FEATURES

Cascadable	-
No-load current	15 mA
Number of switching outputs	1
Rated control supply voltage Us at DC	10 V ... 35 V
Rated switching current	200 mA
Residual ripple	10 %
Reverse polarity protection	+
Setting procedure	Teach-In
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	15 mm
Switching distance (MAX)	15 mm
Switching frequency	2 Hz
Type of actuation	Other
Type of electrical connection	Cable

ELECTRICAL FEATURES

Type of interface	None
Type of interface for safety communication	None
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

OTHER FEATURES

Explosion safety category for dust	None
Explosion safety category for gas	None
Level detection	+

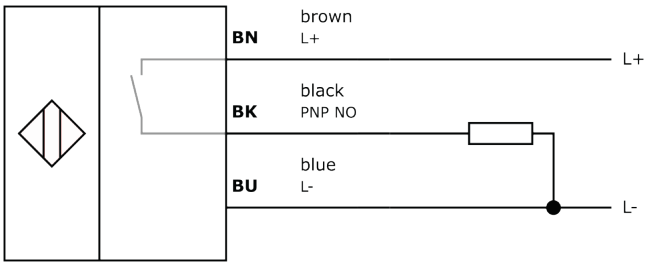
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.07kg
Tariff code	85365019

Classification

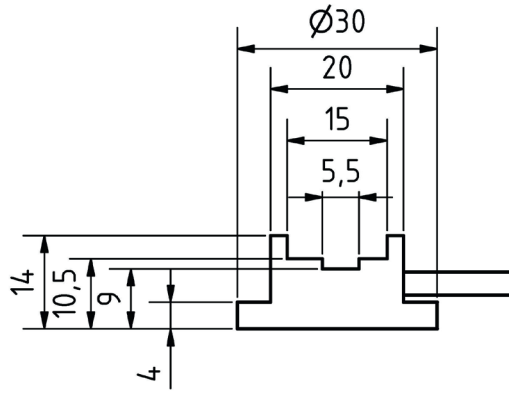
ipf product group	240
eClass 8.0	27270102
eClass 9.0	27270102
eClass 9.1	27270102
ETIM-5.0	EC002715
ETIM-6.0	EC002715
ETIM-7.0	EC002715

Connection



ipf electronic gmbh • Rosmarter Allee 14 • 58762 Altena | Tel +49 2351 9365-0 • Fax +49 2351 9365-19 | info@ipf.de • **www.ipf.de**

Dimensional drawing



Installation

Mounting / installation may only be carried out by a qualified electrician!

Disposal

Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
Never use these devices in applications where the safety of a person depends on their functionality.
LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.