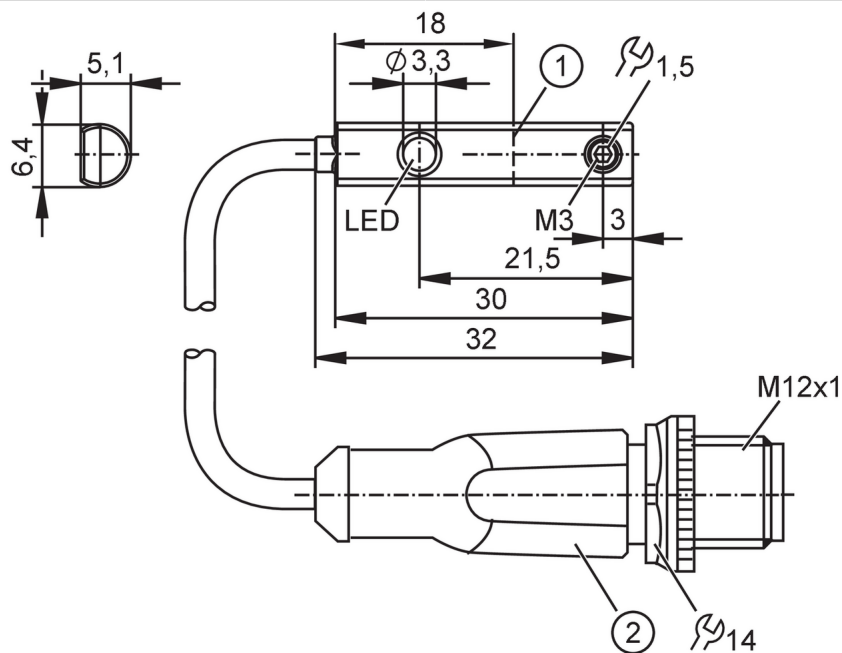


MK5535



Cylinder sensor with GMR cell

MKC3028BBPKG/G/0,3M/ZH/US



- 1 sensing face
2 illustration (example)



Product characteristics

Electrical design	PNP
Output function	normally open
Dimensions [mm]	32 x 6.4 x 5.1

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	< 0.05

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	> 1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Magnetic sensitivity [mT]	2.8
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Accuracy / deviations		
Hysteresis	[mm]	0.5...1.5
Repeatability	[mm]	< 0.1
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67
Tests / approvals		
EMC	EN 61000-4-2	- CD / 8 kV AD
	EN 61000-4-3	10 V/m
	EN 61000-4-4	2 kV
	EN 61000-4-6	10 V
	EN 55011	class B
Vibration resistance	DIN EN 60068-2-6	15 g (10...55 Hz) / 10 frequency cycles, 1 octave/minute, in 3 axes
Shock resistance	DIN IEC 68-2-27	30 g 11 ms half-sine; 1000 shocks each in every direction of the 3 coordinate axes
Vibration resistance	DIN EN 60068-2-64	10 g / (20...2000 Hz) 100 minutes, in 3 axes
MTTF	[years]	3523
UL approval	Ta	-25...55 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	C013
	File number UL	E174191
Mechanical data		
Weight	[g]	21.5
Mounting		flush mountable
Cylinder type		C-slot cylinders
Dimensions	[mm]	32 x 6.4 x 5.1
Material		housing: PA reinforced glass-fiber; threaded sleeve: brass; set screw: stainless steel
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.3 m, PUR; 3 x 0.14 mm ²		
Connector: 1 x M12; coding: A		

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Connection

