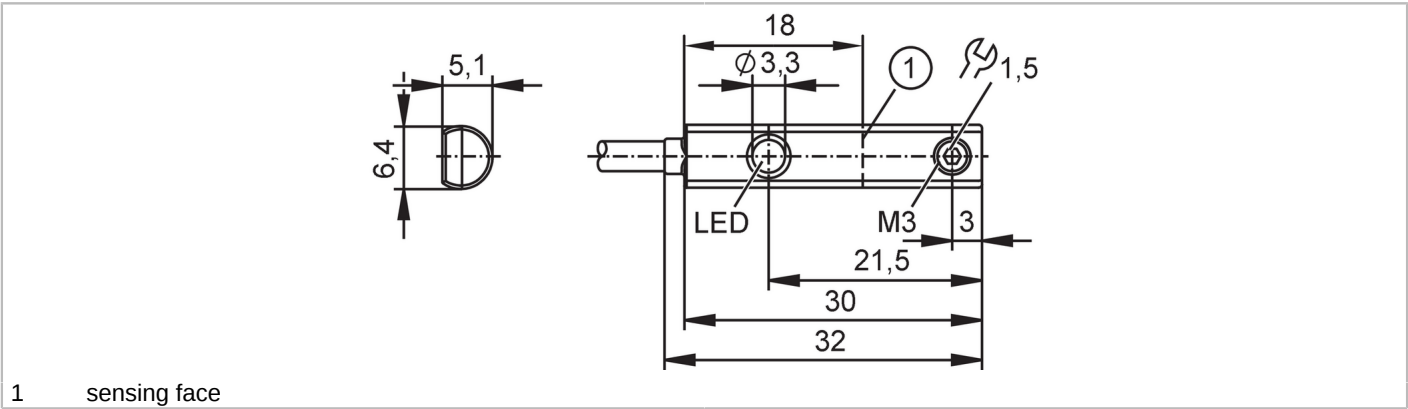


MK5531



Cylinder sensor with GMR cell

MKC3028BBPKG/G/ZH



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; (cULus - Class 2 source required)
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
Accuracy / deviations		
Hysteresis	[mm]	0.5...1.5
Repeatability	[mm]	< 0.1
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67; IP 68

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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]	33.6	
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		
Cable: 2 m, PUR; 3 x 0.14 mm ²		
Connection		

