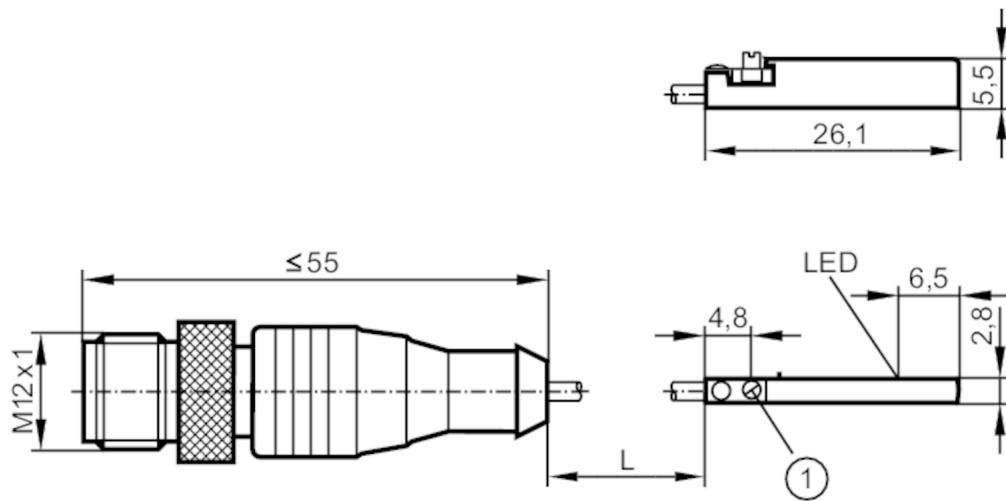




Cylinder sensor with GMR cell

MKC2028BARKG/G/0.3M/ZH/US



1 Fastening clamp



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Dimensions [mm]	26.1 x 2.8 x 5.5

Electrical data

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

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.5
Minimum load current [mA]	5
Max. leakage current [mA]	0.8
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	4000
Short-circuit protection	yes
Overload protection	yes

Detection zone

Response sensitivity [mT]	2.8
Travel speed [m/s]	> 10

Accuracy / deviations

Hysteresis [mm]	< 0.12
Repeatability [mm]	< 0.2

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Operating conditions

Ambient temperature	[°C]	-25...85
Protection		IP 65; IP 67

Tests / approvals

EMC	EN 61000-4-2 ESD	- CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
Vibration resistance	EN 60947-5-2	
Shock resistance	EN 60947-5-2	

Mechanical data

Weight	[g]	21.6
Mounting		flush mountable
Cylinder type		C-slot cylinders
Dimensions	[mm]	26.1 x 2.8 x 5.5
Materials		housing: PA; fastening clamp: stainless steel

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Pack quantity		1 pcs.
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Electrical connection - plug

Cable: 0.3 m, PUR; protective tube

Connector: 1 x M12; coding: A; Locking: knurled nut, rotatable



Connection

