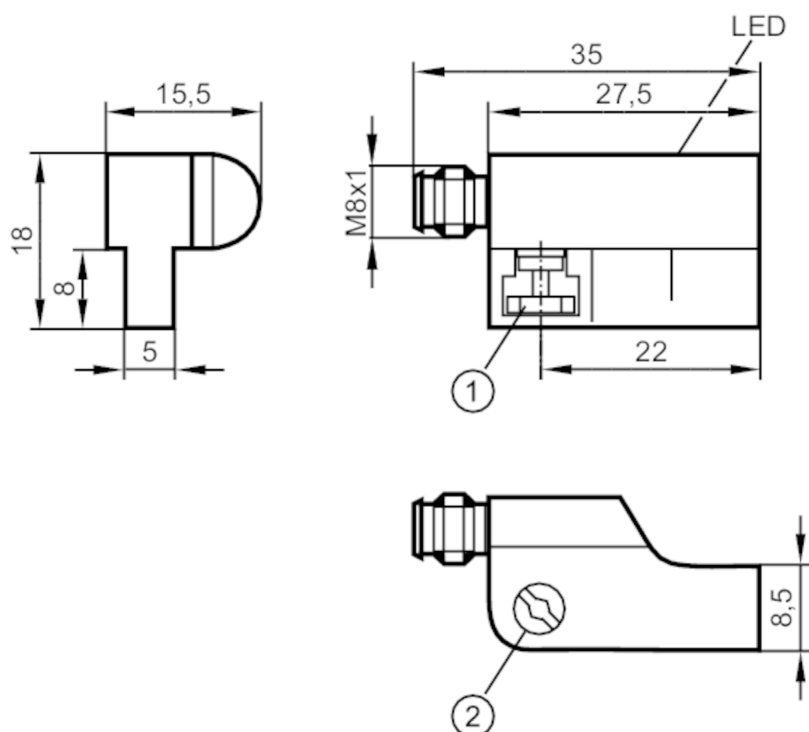




T-slot cylinder sensor

MKI3020-ANKG/A/AS



- 1 Fixing element
2 combined head screw for fixing element



Product characteristics

Electrical design	NPN
Output function	normally open
Dimensions [mm]	27.5 x 18 x 15.5

Electrical data

Operating voltage [V]	10...30 DC; ("supply class 2" to cULus)
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes
Max. power-on delay time [ms]	30

Outputs

Electrical design	NPN
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]	6000
Short-circuit protection	yes
Overload protection	yes

Detection zone

Response sensitivity [mT]	2
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Travel speed	[m/s]	> 10
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Accuracy / deviations

Hysteresis	[mm]	< 1
Repeatability	[mm]	< 0.2

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
MTTF	[years]	1961

Mechanical data

Weight	[g]	12.5
Mounting		non-flush mountable
Type of mounting		fixing element with combined head slot / hexagon socket AF 1.5
Cylinder type		T-slot cylinders
Dimensions	[mm]	27.5 x 18 x 15.5
Materials		housing: PA; Fixing element: stainless steel / brass

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	rubber placeholder: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M8; coding: A; Locking: snap-fit



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Connection

