

special features

> Precise haptics

> Safe gold contacts

Simple M12 plug&play connection

> Protected contacts due to sealed housing

RAMO 30 K, M12, round collar, potential free, 2 NO, Gold, M12 4-pin A-coded, frontring stainless steel, 1 x 90°, shape L, latching, key removal position 0



fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Signalling systems
- > Vehicle construction
- Chemical industry
- Industrial robots



description

The locking systems we use were created according to the DIN EN 1303 standard by well-known lock manufacturers. They are open, mechanical systems which, depending on the environmental conditions, require occasional maintenance (e.g. greasing & oiling) by the machine or system operator.

RAMO K key switches offer a solution for every application thanks to a wide variety of contact functions, rotation angles, actuation functions, trigger positions and closures. Just like all RAMO actuators, connection is simple using Plug&Play and without any manual wiring - with M12 sensor cables.

Additional information according to UL certificate:

For Class 2 Power Source or Limited Voltage / Limited Current only

Installation only by trained specialist personnel.

Type 4x Indoor only with cable "Cat. No. 7000-08061-0210100 PUR 4x0.25mm² with M8 connector, rated max. 30VAC/DC 4A,

manufactured by Murrelektronik GmbH" and "Cat. No. 7000-12221-0340100 PUR 4x0.34mm² with M12 connector, rated max. 30VAC/ DC 4A, manufactured by Murrelektronik GmbH"

For Use on a Flat Surface of a Type 1 or 4x indoor only Enclosure.

technical data

>	general		
	Potential free	yes	direct links
	Color	black	> RAFI eCatalog
	Collar color	black	
	Front ring color	stainless steel	
	Collar shape	round	
	Operating temperature, min.	-40 °C	
	Operating temperature, max.	85 °C	

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St	torage temperature, min.	-40 °C
	torage temperature, max.	90 °C
	uminated	No
	ackaging	Box
	ackaging unit	2 pcs.
	et weight	56.1 g
	perating life	300,000 cycles
	10	429,962 cycles
-		,
ac	egree of protection, front side, ccording to DIN EN 60529	IP65
	egree of protection, rear side, ccording to DIN EN 60529	IP65
	L Enclosure Type Rating front de	type 4X indoor
Er	nvironment resistance	IEC 60068-2-14
		IEC 60068-2-30
		IEC 60068-2-78
	nock resistance according to andard IEC 60068-2-27	30 g at 11 ms amplitude semi-sinusoidal
	alt-spray resistance according to andard	IEC 60068-2-11
In	npact resistance IK	05 side
		04 frontal
	scillation restistance according standard IEC 60068-2-6	5 g at 10500 Hz
М	IOQ order	2 pcs.
	ollution degree acc. to DIN EN 1010-1	Pollution degree 2
	oHS compliant	Yes
	EACH compliant	Yes
	ounting diameters	
	utside dimension, length	34.5 mm
	utside dimension, width	34.5 mm
	utside dimension, height	75.1 mm
	lounting hole	30.3 mm
	lounting depth	36.3 mm
	stallation height	13.7 mm
	rid, min.	35 mm
	echanical data	
	ctuation function	latching
	perating force, max.	1.3 N
	esistance to force on the side	-
	ontact function	300 N 2 NO
		-
_	ontact material	Gold
	ocking position	020
	ey removal position	0
	otating angle	1 x 90°, shape L
Fi	xing	Threaded ring

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	Threaded ring torque, max.	1.2 Nm
	Terminal on the rear	M12 4-pin A-coded
	PIN 1	Normally open contact 1
	PIN 2	Normally open contact 1
	PIN 3	Normally open contact 2
	PIN 4	Normally open contact 2
>	electrical data	
	Rated insulation voltage	250 V
	Rated surge voltage	2,500 V
	Rated operating voltage	35 V (AC-15)
		35 V (DC-13)
	Rated voltage, min.	1 V
	Rated voltage, max.	32 V
	Rated operating current	0.1 A
	Rated current, max.	0.1 A
	Power loss	0.00080 W
	Overvoltage category	2
	Kind of short circuit protective	fuse 250 V / 0,1 A / 1,5 kA gG quick
	device	
	Conditional short circuit current	1,000 A

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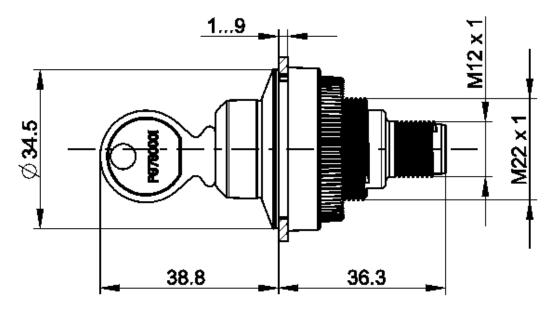
technical data sheet

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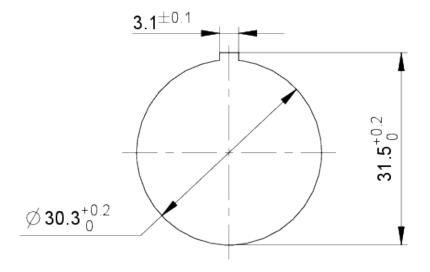


drawings

Dimensioned drawing



Mounting hole drawing



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