## 1.10.051.201/0001



# RAMO 22 K, M12, round collar, 1 NC + 1 NO, Gold, M12 4-pin A-coded, frontring black, 1 x 40°, momentary contact function, key removal position 0

#### NEW



#### fields of application

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

#### special features

- > Precise haptics
- > Safe gold contacts
- > Simple M12 plug&play connection
- > Protected contacts due to sealed housing

## description

Keylock switch with various switching positions and M12 terminal

### technical data

illuminated No
Color black

Collar color black
Front ring color black
Collar shape round
Operating temperature, min. -40 °C
Operating temperature, max. 85 °C
Storage temperature, min. -40 °C
Storage temperature, max. 90 °C

Shock resistance according to

standard IEC 60068-2-27

Packaging Box
Packaging unit 2 pcs.

Environment resistance IEC 60068-2-14

IEC 60068-2-30 IEC 60068-2-78

30 g at 11 ms amplitude semi-sinusoidal

Operating life 300,000 Cycles B10 429,962 Cycles

Degree of protection, front side,

according to DIN EN 60529

Degree of protection, rear side, IP65

according to DIN EN 60529

direct links

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**IP65** 

RAFI GmbH & Co. KG

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Salt-spray resistance according to

standard

RoHS compliant Yes **REACH** compliant Yes Potential free no

oscillation restistance according

5 g at 10...500 Hz

IEC 60068-2-11

to standard IEC 60068-2-6

> mounting diameters

Mounting hole 22.3 mm Mounting depth 30 mm Installation height 45 mm Outside dimension, length 29.8 mm Outside dimension, width 29.8 mm Collar dimension 29.8 mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 1.3 N

Contact function 1 NC + 1 NO

Contact material Gold Key lock Kaba Key removal position Rotating angle 1 x 40°

Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm

Terminal on the rear M12 4-pin A-coded

PIN 1 Normally closed contact 1

Normally open contact 1

PIN 2 Normally closed contact 1 PIN 4 Normally open contact 1

> electrical data

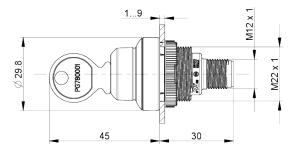
Rated voltage, min. 10 V Rated voltage, max. 32 V Rated current, max. 0.2 A

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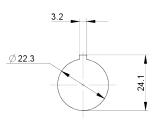


## drawings

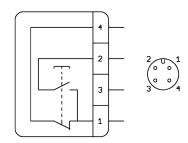
## **Dimensioned drawing**



#### Mounting hole drawing



#### Schematic diagram



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