

# RAMO 22 S, M12, round collar, 1 NO, Gold, M12 4-pin A-coded, frontring black, 1 x 90°, shape V, latching



### 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

CE

NEW

# description

Selector switch with various switching positions and M12 terminal

## technical data

> general		
illuminated	Yes	direct links
Color	black	> RAFI eCatalog
Bezel color	white	
Collar color	black	
Front ring color	black	
Luminous element color	white	
Collar shape	round	
Operating temperature, min.	-25 °C	
Operating temperature, max.	70 °C	
Storage temperature, min.	-40 °C	
Storage temperature, max.	90 °C	
Luminous elements	LED	
Shock resistance according to standard IEC 60068-2-27	30 g at 11 ms amplitude semi-sinusoidal	
Packaging	Box	
Packaging unit	2 pcs.	
Environment resistance	IEC 60068-2-14	
	IEC 60068-2-30	
	IEC 60068-2-78	
Operating life	200,000 Cycles	
B10	250,000 Cycles	
Degree of protection, front side, according to DIN EN 60529	IP65	

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technical data sheet

# 1.10.021.204/0221



	Degree of protection, rear side, according to DIN EN 60529	IP65
	Salt-spray resistance according to standard	IEC 60068-2-11
	RoHS compliant	Yes
	REACH compliant	Yes
	Potential free	yes
	oscillation restistance according to standard IEC 60068-2-6	5 g at 10500 Hz
>	mounting diameters	
	Mounting hole	22.3 mm
	Mounting depth	30.05 mm
	Installation height	23.83 mm
	Outside dimension, length	29.8 mm
	Outside dimension, width	29.8 mm
	Outside dimension, height	53.88 mm
>	mechanical data	
	Actuation function	latching
	Contact function	1 NO
	Contact material	Gold
	Rotating angle	1 x 90°, shape V
	Fixing	Threaded ring
	Terminal on the rear	M12 4-pin A-coded
	PIN 1	Normally open contact 1
	PIN 2	LED +
	PIN 3	GND
	PIN 4	Normally open contact 1
>	electrical data	
	Operating voltage of the luminous element, min.	22 V
	Operating voltage of the luminous element, max.	26 V
	Operating current of the luminous element, max.	25 mA
	Rated voltage, min.	10 V
	Rated voltage, max.	32 V

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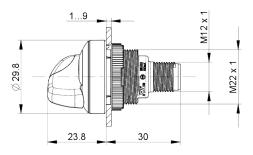
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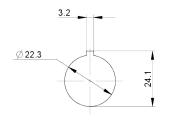


# drawings

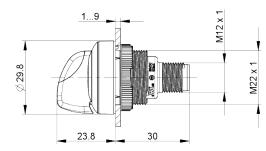
#### **Dimensioned drawing**



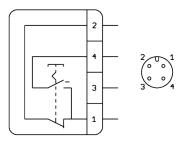
## Mounting hole drawing



#### **Dimensioned drawing**



#### Schematic diagram



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