



SSB-RH-NG-1-O-S-V01

- Magnetic track sensor box
- 4 tracks, 2 of them with high-precision angle sensor technology
- Angle sensor approach with advance warning indicator
- Maintenance-free signal storage and switching in the event of a power failure
- Wide angle LED track display
- 4 tracks, 2 optional for fine positioning
- optional fine positioning tracks with prewarning indication
- Maintenance-free signal storage and switching in case of power failure

Data

Ordering data

Product type description	SSB-RH-NG-1-O-S-V01
Article number (order number)	103038397
EAN (European Article Number)	4030661566436
eCl@ss number, version 12.0	27-27-43-02
eCl@ss number, version 11.0	27-27-01-05
eCl@ss number, version 9.0	27-27-01-05
ETIM number, version 7.0	EC002544
ETIM number, version 6.0	EC002544

Approvals - Standards

Certificates	UL
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General data

Working principle	Magnetic drive
Housing material	Plastic, glass-fibre-reinforced
Material of the housing cover	Polycarbonate
Gross weight	314 g

General data - Features

Latching	Yes
Suitable for elevators	Yes
Number of LEDs	7
Number of snap-in contacts	4
Number of signalling outputs	4

Mechanical data

Actuating panels	front side
Actuating element	Magnet
Mechanical life, minimum	1,000,000,000 Operations
Minimum distance devices	50 mm
Actuation direction	On when driving over with north magnet in driving direction
Actuating speed, maximum	9 m/s
Mounting	rear with 2 threaded bolts
Type of the fixing screws	2x M4
Tightening torque of the fixing screws, minimum	2 Nm
Tightening torque of the fixing screws, maximum	4 Nm

Mechanical data - Switching distances according EN IEC 60947-5-3

Switching distance S_{min} , minimum	2 mm
Switching distance S_{max} , maximum	15 mm
Note (switching distance)	Recommended 7mm
Repeat accuracy R	0.5 mm

Mechanical data - Connection technique

Terminal (mechanical) Connector plug M12, 8-pole, A-coded

Mechanical data - connector side A

Connector typ Male connector, M12
Connector coding A
Connector latching Screw locking
Number of pol, side A 8

Mechanical data - Dimensions

Length of sensor 125 mm
Width of sensor 110 mm
Height of sensor 24.4 mm

Ambient conditions

Degree of protection IP54
IP65
Ambient temperature -25 ... +70 °C
Storage and transport temperature -40 ... +85 °C
Relative humidity, maximum 95 %
Note (Relative humidity) non-condensing
non-icing
Resistance to vibrations 10 ... 55 Hz, amplitude 1 mm
Restistance to shock 30 g / 11 ms
Protection class III
Permissible installation altitude above sea level,
maximum 2,000 m

Ambient conditions - Insulation values

Rated insulation voltage U_i 32 VDC
Rated impulse withstand voltage U_{imp} 1 kV

Overvoltage category	III
Degree of pollution	3
Degree of pollution	3

Electrical data

Current consumption at 24V, minimum	11 mA
No-load supply current I_0 , typical	40 mA
Rated operating voltage	24 VDC
Operating current	1,500 mA
Utilisation category DC-12	24 VDC
Utilisation category DC-12	0.3 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	0.3 A
Switching capacity, maximum	7.2 W
Switching element	bistable contact
Switching principle	Reed and hall technology
Bounce duration, maximum	0.3 ms
Maximum switching time close	1 ms
Maximum switching time open	0.1 ms

Electrical data - Digital Output

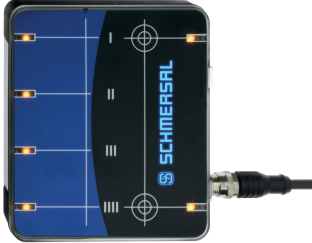
Output current, maximum	300 mA
Design of control elements	Reed contacts
Voltage, Utilisation category DC-12	24 VDC
Current, Utilisation category DC-12	1.5 A
Voltage, Utilisation category DC-13	24 VDC
Current, Utilisation category DC-13	1.5 A

Accessory

Recommendation (actuator)	BP 15 BP 15/2
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Pictures

Product picture (catalogue individual photo)



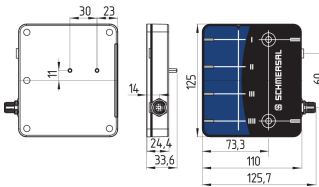
ID: kssbrf11

| 352.4 kB | .jpg | 352.778 x 299.861 mm - 1000 x 850 px - 72 dpi

| 32.7 kB | .png | 74.083 x 63.147 mm - 210 x 179 px - 72 dpi

| 55.4 kB | .jpg | 123.472 x 105.128 mm - 350 x 298 px - 72 dpi

Dimensional drawing basic component



ID: mssbrg01

| 104.8 kB | .jpg | 352.778 x 199.319 mm - 1000 x 565 px - 72 dpi

System components

Actuator

BP 15



- thermoplastic enclosure
- N-pole marked green
- S-pole marked red
- Suitable for mounting on ferrous material with a distance of 18 mm

BP 15/2



- Unenclosed
- Polarity stamped in
- Suitable for mounting on ferrous material with a distance of 18 mm

Connector



A-K8P-M12-S-G-5M-BK-1-X-A-4-69-VA

- 5 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-W-5M-BK-1-X-A-4-69-VA

- 5 m
- angled
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-10M-BK-1-X-A-4-69-VA

- 10 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-5M-BK-2-X-A-4-69

- 5 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-10M-BK-2-X-A-4-69

- 10 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-2,5M-GY-1-X-A-4

- 2.5 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-5M-GY-1-X-A-4

- 5.0
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-10M-GY-1-X-A-4

- 10 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-15M-BK-2-X-A-4-69

- 15
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-2,5M-BK-2-X-A-4-69

- 2.5 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-W-5M-GY-1-X-A-4

- 5 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-G-15M-BK-1-X-A-4-69-VA

- 15
- Pre-wired cable
- 8-pole



A-K8P-M12-S-W-2,5M-BK-2-X-A-4

- angled
- 2.5 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-W-5M-BK-2-X-A-4

- angled
- 5 m
- Pre-wired cable
- 8-pole



A-K8P-M12-S-W-10M-BK-2-X-A-4

- angled
 - 10 m
 - Pre-wired cable
 - 8-pole
-



A-K8P-M12-S-W-15M-BK-2-X-A-4

- angled
 - 15
 - Pre-wired cable
 - 8-pole
-

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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