



SHG01.103/90

- Head positioned to the front
- Metal enclosure
- 40 mm x 108,5 mm x 43 mm
- Long life

Data

Ordering data

Product type description	SHG01.103/90
Article number (order number)	101009662
EAN (European Article Number)	4030661520971
eCl@ss number, version 12.0	27-27-26-02
eCl@ss number, version 11.0	27-27-26-02
eCl@ss number, version 9.0	27-27-26-02
ETIM number, version 7.0	EC002592
ETIM number, version 6.0	EC002592

Approvals - Standards

Certificates	cULus CCC
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General data

Standards	BG-GS-ET-15 EN ISO 14119 EN IEC 60947-5-1
Housing material	Aluminium

Housing coating material	painted
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Gross weight	285 g
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General data - Features

Number of auxiliary contacts	1
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Number of safety contacts	1
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Safety classification

Standards	EN ISO 13849-1
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Mission time	20 Year(s)
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Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	2,000,000 Operations
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B _{10D} Normally open contact (NO)	1,000,000 Operations
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Mechanical data

Mechanical lifetime, minimum	1,000,000 Operations
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Positive break travel	11 mm
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Positive break force, minimum	5 N
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Note (Positive break force)	per NC
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Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
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Cable section, minimum	0.5 mm ²
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Cable section, maximum	2.5 mm ²
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Note	All indications including the conductor ferrules.
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Mechanical data - Dimensions

Length of sensor	43 mm
Width of sensor	40 mm
Height of sensor	108.5 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +70 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	400 V
Rated impulse withstand voltage U_{imp}	2.5 kV

Electrical data

Thermal test current	10 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	8 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	5 A
Switching element	NO contact, NC contact
Switching principle	Slow action
Material of the contacts, electrical	Silver

Scope of delivery

Scope of delivery	Actuator must be ordered separately.
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Ordering code

Product type description:
SHG(1)/(2)

(1)

01	Head positioned to the front
02	Head positioned to the left
03	Head positioned to the right
04	Head positioned to the rear
(2)	
103/90	1 NC contact / 1 NO contact slow action switching contact
220/110	2 NC contacts slow action switching contact
92/90	1 NC contact / 1 NO contact snap switching element
Notice	Not all variations can be supplied. The available order code used to convert the product part name.

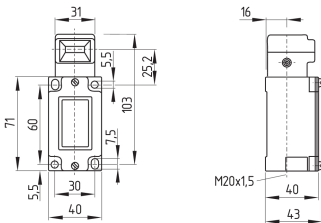
Pictures

Product picture (catalogue individual photo)



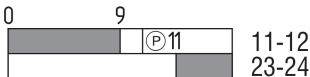
ID: kshg-f07
 | 757.8 kB | .jpg | 278.694 x 499.886 mm - 790 x 1417 px - 72 dpi
 | 81.4 kB | .png | 74.083 x 132.644 mm - 210 x 376 px - 72 dpi
 | 45.4 kB | .jpg | 68.792 x 123.472 mm - 195 x 350 px - 72 dpi
 | 38.6 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi
 | 8.6 MB | .png | 211.667 x 379.624 mm - 2000 x 3587 px - 240 dpi

Dimensional drawing basic component



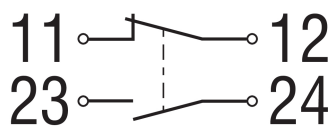
ID: kshg-g01
 | 27.1 kB | .cdr |
 | 3.9 kB | .png | 74.083 x 50.447 mm - 210 x 143 px - 72 dpi
 | 111.7 kB | .jpg | 352.778 x 240.594 mm - 1000 x 682 px - 72 dpi

Switch travel diagram



ID: kshg-s02
 | 19.6 kB | .cdr |
 | 1.5 kB | .png | 74.083 x 17.992 mm - 210 x 51 px - 72 dpi
 | 33.4 kB | .jpg | 352.778 x 85.019 mm - 1000 x 241 px - 72 dpi

Diagram



ID: ktzg-k01

| 53.1 kB | .jpg | 352.778 x 128.058 mm - 1000 x 363 px - 72 dpi

| 2.7 kB | .png | 74.083 x 26.811 mm - 210 x 76 px - 72 dpi

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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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