



SHG01.103/90

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

Data

Ordering data

Product type description	SHG01.103
Article number (order number)	101009662
EAN (European Article Number)	4030661520971
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02

Approval - Standards

Certificates	cULus
	CCC
	CNCA

General data

Product name	SHG
	BG-GS-ET-15
Standards	EN 60947-5-1 EN ISO 14119
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	250 g

General data - Features

Number of auxiliary contacts	1
Number of safety contacts	1

Safety appraisal

Standards	EN ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
B10d Normally open contact (NO)	1,000,000 Operations

Mechanical data

Mechanical life, minimum	1,000,000 Operations
positive break travel	11 mm
Positive break force, minimum	5 N
Note (Positive break force)	per NC

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	0.5 mm ²
Cable section, maximum	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

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

Ambient conditions

Degree of protection	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C

Ambient conditions - Insulation value

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	Creep circuit element

Scope of delivery

Included in delivery	Actuators 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

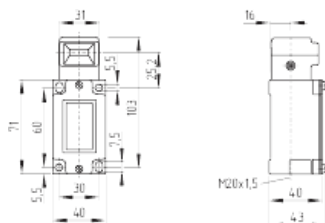
| 81,4 kB | .png | 74.083 x 132.644 mm - 210 x 376

Pixel - 72 dpi

| 757,8 kB | .jpg | 278.694 x 499.886 mm - 790 x 1417

Pixel - 72 dpi

Dimensional drawing basic component



ID: kshg-g01

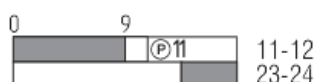
| 3,9 kB | .png | 74.083 x 50.447 mm - 210 x 143 Pixel - 72 dpi

| 27,1 kB | .cdr |

| 111,7 kB | .jpg | 352.778 x 240.594 mm - 1000 x 682 Pixel - 72 dpi

Switch travel diagram

ID: kshg-s02

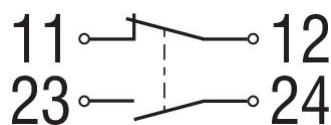


| 19,6 kB | .cdr |

| 1,5 kB | .png | 74.083 x 17.992 mm - 210 x 51 Pixel - 72 dpi

| 33,4 kB | .jpg | 352.778 x 85.019 mm - 1000 x 241 Pixel - 72 dpi

Diagram



ID: ktzg-k01

| 53,1 kB | .jpg | 352.778 x 128.058 mm - 1000 x 363 Pixel - 72 dpi

| 17,6 kB | .cdr |

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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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