

Datasheet - SHGV/SR/ESS21S/xxxoo/oo/103

Key transfer system / SHGV/ESS21 - Key selector switch



(Minor differences between the printed image and the original product may exist!)

Ordering details

Product type description	SHGV/SR/ESS21S/xxxoo/oo/103
Article number	SHGV/SR/ESS21S2/xxxoo/oo/103
EAN Code	
notice	In the order/inquiry, the requested lock number "xxx" as well as the colours "oo/oo" of the key head must be specified (e.g. SHGV/SR/ESS21S2/125/RT/RT/103)! The colour, which is indicated first after the lock number always is the key had half with the observation window for the lock number engraved on the key. If no lock number is indicated in the order/inquiry, we will supply a lock number at our discretion. The user must ensure that lock numbers are not assigned twice in a single plant (factory site)! The user must ensure that no double key bit numbers are allocated on one site (company site)!
eCl@ss	27-27-26-03

Approval

Approval



Classification

B10d Normally-closed contact (NC)	100.000 operations
Mission time	20 Years
Standards	EN ISO 13849-1

Global Properties

Permanent light	Schlüssel-Wahlschalter
Standards	IEC/EN 60947-1, IEC 60947-5-1, EN 1088
Compliance with the Directives (Y/N)	Yes
Suitable for safety functions (Y/N)	Yes
Mounting	mounting flange
Mounting position	arbitrarily
Materials	
- Material of the housings	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing

- Material of the contacts	Silver
- Material of the front ring	Aluminium
- Material of the cylinder lock	Steel
Design	Key - Selector switch - Front plate mounting
Color	
- Colour of the front ring	■ Silver
- Colour of the cylinder lock	■ Silver
- Colour of the key grip	oo/oo ■ Brown (BR) ■ yellow (GB) ■ red (RT) ■ Blue (BL) ■ White (WS) ■ Grey (GR) ■ green (GN) ■ Black (SW) and all combinations resulting thereof ■ Black
- Contact element colour	■ Black
Weight	110
Can be illuminated (Y/N)	No
Key number	xxx
Closure	variable

Mechanical data

Connection type	Screw connection
Cable section	
- Min. Cable section	0,5, rigid 0,5, flexible
- Max. Cable section	2.5, rigid 2.5, flexible
Tightening torque for the terminals	1
Mechanical life	300.000 operations
Mechanical life contact element	1.000.000 operations
Switching frequency	5
notice	All indications about the cable section are including the conductor ferrules.
resistance to shock	110 / 4
resistant to vibration	> 20 / 10...200
Bounce duration	< 5
Latching (Y/N)	Yes
Unlocking type	Rotating unlatcher
Probing possible (Y/N)	No
Latching position	right
Front plate thickness	
- min. front plate thickness	1
- max. front plate thickness	6
Tightening torque for fixing screws	0,6
Number of switch positions	2
Number of plunger	1
Key withdrawal position	90
Key withdrawal position	Position I

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-25
- Max. environmental temperature	+75

Storage and transport temperature	
- Min. Storage and transport temperature	-
- Max. Storage and transport temperature	-
Fully insulated (Y/N)	Yes
Sealing type	membrane, lip seal, Form seals
Protection type IP	IP65
Protection class-Terminals	IP20
Protection class switching compartments	IP40

Electrical data

Design of control element	Opener (NC), Normally open contact (NO)
Switching principle	Creep circuit element
Number of auxiliary contacts	1
Number of safety contacts	1
Rated insulation voltage	400
Thermal test current	10 A
Utilisation category	AC-15: 230 V / 8 A DC-13: 24 V / 5 A
Max. fuse rating	10 A gG D-fuse
Suitable for low-voltages	≥ 5 , 3.2
Test voltage (enclosed)	2500

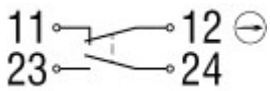
LED switching conditions display

With integrated LED (Y/N)	No
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Dimensions


Dimensions	
- Height with key (and contact element)	62 (121)
- Diameter of the front ring	29.5
- diameters for the cylinder lock	22
- Hole, diameter	22.3 + 0,4
Spacing	40 x 50


Diagram





Note Diagram

 positive break NC contact

 active

 no active

 Normally-open contact

 Normally-closed contact

Ordering code

SHGV(1)(2)/ESS21S2/(3)(4)/(5)

notice

**Not all variations can be supplied.
The available order code used to convert the product part name.**

(1)		
	<i>without</i>	Included in standard version Locking system
	-Z/	Central locking system-Locking system
(2)		
	<i>without</i>	Included in standard version Silver
	/SR	
(3)		
	xxx	Key number (n) 100 ... 999
(4)		
	oo/oo	Colour of the key grip
		■ (BR)
		■ (GB)
		■ (RT)
		■ (BL)
		□ (WS)
		■ (GR)
		■ (GN)
		■ (SW)
		and all combinations resulting thereof
(5)		
	103	1 Opener (NC) / 1 Normally open contact (NO)

Documents

Operating instructions and Declaration of conformity (es) 2 MB, 22.08.2016

Code: mrl_shgv-sve-svm_es

Operating instructions and Declaration of conformity (jp) 2 MB, 23.03.2017

Code: mrl_shgv-sve-svm_jp

Operating instructions and Declaration of conformity (de) 2 MB, 25.07.2016

Code: mrl_shgv-sve-svm_de

Operating instructions and Declaration of conformity (fr) 2 MB, 16.09.2016

Code: mrl_shgv-sve-svm_fr

Operating instructions and Declaration of conformity (nl) 2 MB, 08.08.2018

Code: mrl_shgv-sve-svm_nl

Operating instructions and Declaration of conformity (en) 2 MB, 25.07.2016

Code: mrl_shgv-sve-svm_en

Operating instructions and Declaration of conformity (cn) 2 MB, 27.07.2017

Code: mrl_shgv-sve-svm_cn

Operating instructions and Declaration of conformity (pl) 2 MB, 22.11.2016

Code: mrl_shgv-sve-svm_pl

Operating instructions and Declaration of conformity (it) 2 MB, 02.09.2016

Code: mrl_shgv-sve-svm_it

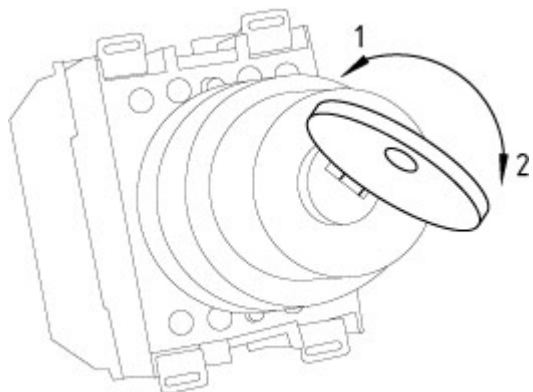
CCC certification (en) 2 MB, 29.10.2018

Code: q_shgvp02

CCC certification (cn) 2 MB, 29.10.2018

Code: q_shgvp03

Images



Application

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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