

## Datasheet - NHSNH40



Command and signalling devices / Push buttons and pilot lights - "N" Program / NHS - Main switch

- for application in food producing machinery



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

### Ordering details

Product type description	NHSNH40
Article number	101185097
EAN Code	
eCl@ss	27-37-12-90






### Approval

Approval



### Global Properties

Permanent light	NHS - Hauptschalter
Standards	IEC 60947
Compliance with the Directives (Y/N)	Yes
Mounting	mounting flange
Materials	
- Material of the operators	ABS
- Material of the front ring	ABS, Chromium-plated
- Material of the mounting plate	Stainless steel (V4A)
- Material of the identification plate	Stainless steel (V4A)

- Material of the bracket	Stainless steel (V4A)
Design	Main switch - Front plate mounting
Colour of the handle	 red
Colour of the front ring	 Silver
Weight	650
Manner of using	Toggle
Can be illuminated (Y/N)	No
Colour of the identification plate	 yellow
Colour of the mounting plate	 Silver
Colour of the bracket	 Silver
Protection against accidental contact	DIN EN 50274 (DIN VDE 0660-514)

## Mechanical data

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Connection type	Screw connection
Cable section	
- Min. Cable section	4, rigid 2.5, flexible
- Max. Cable section	16, rigid 10, flexible
Mechanical life	> 1.000.000 operations
notice	All indications about the cable section are including the conductor ferrules.
Number of switch positions	2
Latching (Y/N)	Yes
Unlocking type	Rotating unlatcher
Probing possible (Y/N)	No
switching angle	90°
Front plate thickness	
- min. front plate thickness	1.5
- max. front plate thickness	6
Tightening torque for fixing screws	0,6

## Ambient conditions

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Ambient temperature	
- Min. environmental temperature	0
- Max. environmental temperature	+80
Storage and transport temperature	
- Min. Storage and transport temperature	-
- Max. Storage and transport temperature	-
Fully insulated (Y/N)	Yes
Sealing type	membrane, lip seal
Protection type IP	IP67, IP69K

## Electrical data

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Switching capacity	AC-23: 15 kW AC-3: 11 kW
Rated operating voltage $U_e$	690 V
Thermal test current $I_{the}$	40 A

## Dimensions

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Dimensions	
- Width	48 mm

- Height	29 mm
- Length	48 mm
Mounting depth	85
Length of the handle	52
- Diameter of the front ring	44.5
- Diameter of the knob	Ø 39
- Hole, diameter	22.3 + 0,4
Spacing	110 x 110
Dimensions of the mounting plate	110 x 110

## Documents

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**Operating instructions and Declaration of conformity (it)** 1 MB, 13.06.2019

Code: mrl\_programme-e-n-r\_it

**Operating instructions and Declaration of conformity (en)** 1 MB, 06.11.2018

Code: mrl\_programme-e-n-r\_en

**Operating instructions and Declaration of conformity (pl)** 1 MB, 13.06.2019

Code: mrl\_programme-e-n-r\_pl

**Operating instructions and Declaration of conformity (jp)** 2 MB, 28.06.2017

Code: mrl\_programme-e-n-r\_jp

**Operating instructions and Declaration of conformity (pt)** 1 MB, 21.12.2018

Code: mrl\_programme-e-n-r\_pt

**Operating instructions and Declaration of conformity (de)** 1 MB, 06.11.2018

Code: mrl\_programme-e-n-r\_de

**Operating instructions and Declaration of conformity (es)** 1 MB, 05.12.2018

Code: mrl\_programme-e-n-r\_es

**Operating instructions and Declaration of conformity (nl)** 1 MB, 05.12.2018

Code: mrl\_programme-e-n-r\_nl

**Operating instructions and Declaration of conformity (fr)** 1 MB, 05.12.2018

Code: mrl\_programme-e-n-r\_fr

**Operating instructions and Declaration of conformity (cn)** 2 MB, 21.06.2017

Code: mrl\_programme-e-n-r\_cn

**BG-test certificate (de, en, fr)** 174 kB, 31.07.2014

Code: z\_ndrp01

**IPA Data (en)** 248 kB, 09.11.2012

Code: i\_ipap02

**IPA Data (de)** 255 kB, 05.09.2014

Code: i\_ipap01

## Images

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Product photo

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Product photo

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K.A. Schmersal GmbH & Co. KG, Mödinghofe 30, D-42279 Wuppertal  
The data and values have been checked thoroughly. Technical modifications and errors excepted.  
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