



HWSE12-BL-WS

- hygienic design
- up to 12 positions
- with short or long toggle

Data

Ordering data

Product type description	HWSE12-BL-WS
Article number (order number)	103044270
EAN (European Article Number)	4030661618555
eCl@ss number, version 12.0	27-37-12-43
eCl@ss number, version 11.0	27-37-12-43
eCl@ss number, version 9.0	27-37-12-43
ETIM number, version 7.0	EC001029
ETIM number, version 6.0	EC001029

Approvals - Standards

Certificates	hygiene tested
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General data

Standards	EN IEC 60947-5-1 EN IEC 60204-1 DIN EN 1672-2 ANSI/UL 60947-1 ANSI/UL 60947-4-1A
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Versions	Front plate mounting
Design	Round
Toggle	short
Sealing type	Membrane Lip gaskets
Material of the operators	Plastic
Material of the front ring	stainless steel
Colour of the operating element	White
Colour of the front ring	Silver
Colour of the bellows	Blue
Gross weight	269 g

General data - Features

Latching	Yes
Number of switch positions	12

Mechanical data

Mechanical life, minimum	1,000,000 Operations
switching angle	30 °
Mounting	central nut
Tightening torque of nuts, maximum	4 Nm

Mechanical data - Connection technique

Termination	Screw terminals
Cable section, minimum	1 mm², rigid 1 mm², flexible
Cable section, maximum	2.5 mm², rigid 2.5 mm², flexible
Note	All indications including the conductor ferrules.
Wire cross-section	12 AWG
Tightening torque of Clips	2.5 Nm

Mechanical data - Dimensions

Note (Mounting height)	Height in front of the front panel.
Mounting depth	114 mm
Note (Mounting depth)	Depth behind front panel including cam switch
diameters for the actuating heads	45 mm
Length of the handle	26 mm
Mounting diameter	22.3 mm
Thickness, of the front panel, minimum	1.5 mm
Thickness of the front panel, maximum	6 mm

Ambient conditions

Degree of protection	IP67 IP69K
Ambient temperature	+0 ... +80 °C

Ambient conditions - Insulation values

Rated impulse withstand voltage U_{imp}	4 kV
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Electrical data

Thermal test current	20 A
Rated operating voltage	690 VAC
Required rated short-circuit current	10,000 A
Switching principle	Slow action

Other data

Note (applications)	Rotary Cam Switch, Product line M200, Type series M220, Front mounting switch
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Scope of delivery

Note (scope of delivery, number and type) Contact carrier SMF-SG is included in delivery

Pictures

Product picture (catalogue individual photo)



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| 392.3 kB | .jpg | 352.778 x 639.233 mm - 1000 x 1812 px - 72 dpi

| 54.1 kB | .png | 74.083 x 134.056 mm - 210 x 380 px - 72 dpi

| 31.3 kB | .jpg | 68.086 x 123.472 mm - 193 x 350 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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