

PBX Secure Standard83240 Part number 83240000



- Dimensions according to standard DIN 41 636 type F
- Positive break operation mechanism according to IEC 60947-5-1 Annex K
- Double break changeover switch with electrically separated circuits (form Zb)
- IP 40 or IP 67 / IP 65 versions
- Operating temperature between -50 and +85 °C
- Long overtravel
- Standard or Low level version

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Type	Degree of protection mechanism - connection	Connections / Accessories
83240000 Standard83240	IP 40 - IP 00	W3

Specifications

Electrical characteristics

Direct opening action	
Rating nominal / 250 VAC (A)	6
Rating nominal / 250 VDC (A)	0.6
Rating thermal (A)	10
Operating range / 4 →30 VDC/AC (A)	•

Mechanical characteristics

Mechanical characteristics	
Maximum operating force (N)	4,5
Minimum positive opening force (N)	28
Maximum rest position (mm)	8,9
Operating position (mm)	6,6 ^{±0.25} *
Positive opening position (mm)	4,4 *
Maximum end of travel position (mm)	3,4 *
Differential travel (mm)	1 ^{±0,3}
Operating temperature (°C)	-50 →+85
Mechanical life (operations)	10 ⁷ (IP40)
	4x10 ⁶ (IP 67)
Contact gap (mm)	2 x 1
Max. tightening torque (Nm)	1.3 on Ø 4.1 holes
Weight (g)	22 *

Comments

Additional characteristics

Components

Material

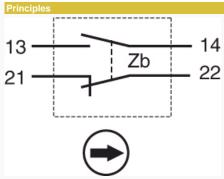
- Case/cover : PC GF 20 FR. (UL 94-V0, GWFI 960 °C, NFF 16-101/102 I2F1)
- Contacts : AgNi for Standard version and AgPd for low level version
- Terminals : Brass
- Button membrane : Silicone
- Screws : zinc protected steel (stainless steel on request)

Conformity to standards

- Construction and performance according to IEC 60947-5-1
- Positive opening operation according to IEC 60947-5-1 Annex K
- Dimensions conforming to standard DIN 41 636 type F
- Insulation characteristics according to standard IEC 60947-5-1
- * Impulse withstand voltage : Uimp = 4 KV
- * Rated insulation voltage : Ui = 400 V
- * Pollution degree = 3
- Insulation characteristics according to standard EN 50124-1
- * Impulse withstand voltage : Uimp = 2.5 KV
- * Rated insulation voltage : Ui = 150 V
- * Pollution degree = PD3A

^{*} Values given for versions without lever (in relation to the reference dimension X0 - See Dimensions section).

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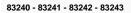


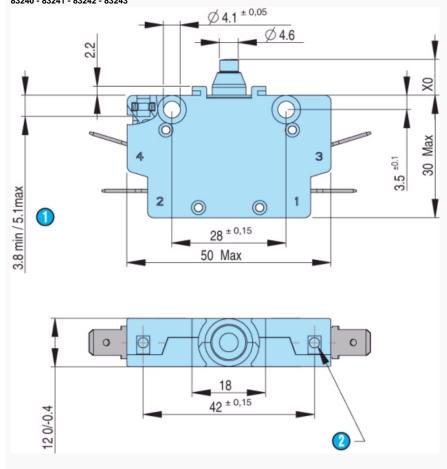
Function

Four-terminal two-way snap-action contact element (form Zb) with positive break operation. The 2 contacts are electrically separated.

Dimensions (mm)

Product



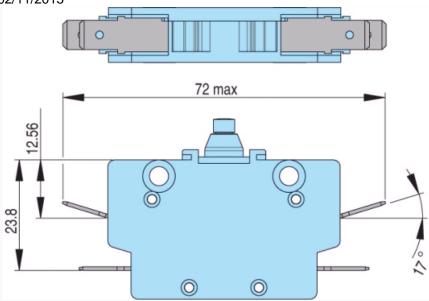


N°	Legend
0	Fixing screw threaded length
②	Fixing nuts 2 x M3

Dimensions (mm)

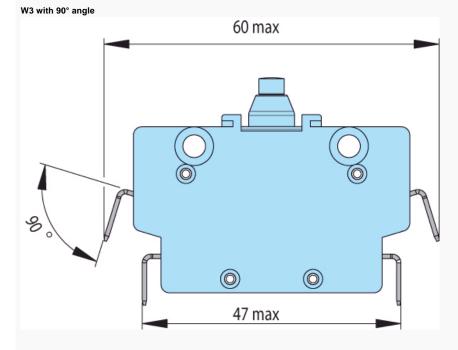
Connections

W3 for 6.35 mm x 0,8 mm female connector



Dimensions (mm)

Connections

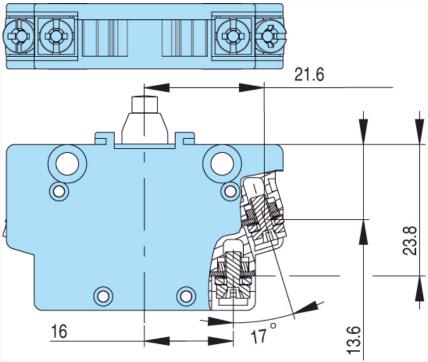


Dimensions (mm)

Connections

W5 with screws

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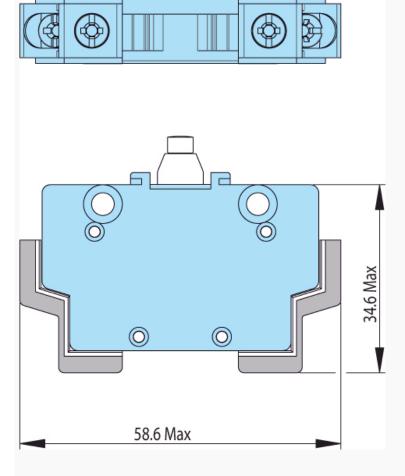


4 x M3 screws with saddle

Dimensions (mm)

Connections

W5 with screws and IP20 protective covers

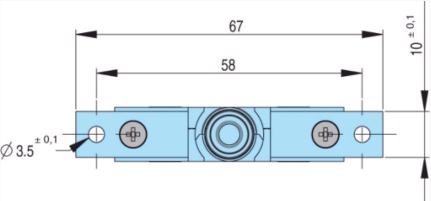


4 x M3 screws with saddle

Dimensions (mm)

Mounting accessories

Mounting plates with holes

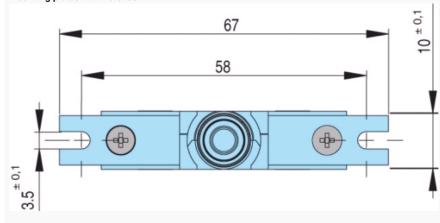


Thickness: 1 mm

Dimensions (mm)

Mounting accessories

Mounting plates with notches

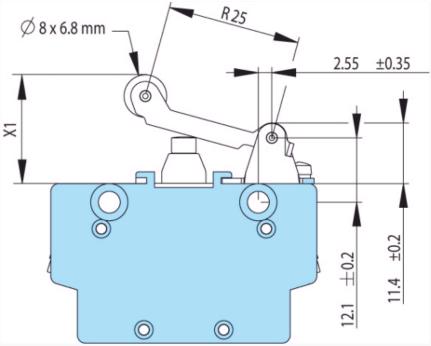


Thickness: 1 mm

Dimensions (mm)

Actuators

Roller lever



Thickness: 1 mm

Dimensions (mm)

Actuators

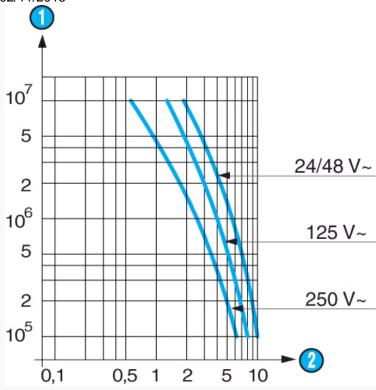
With reference to dimension X1	83240/83241	83242/83243
Maximum operating force (N)	2,7	3,9
Min. positive opening force (N)	19	19
Maximum rest position (mm)	21	21
Operating position (mm)	16,6±0,6	16,6±0,6
Positive opening position (mm)	13,2	13,2
Maximum end of travel position (mm)	12	12
Differential travel (mm)	1,8±0,55	1,8 ^{±0,55}

Thickness: 1 mm

Curves

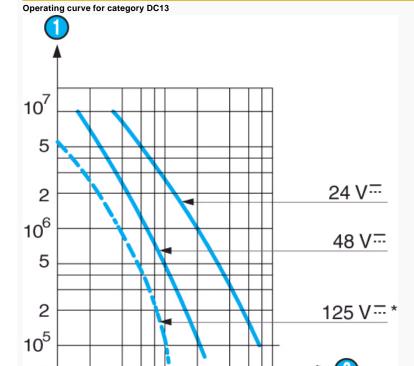
Operating curve for category AC15

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Nº	Legend
1	Number of operations
②	Current in Amps

Curves



* For IP67 versions used in 125 V DC, please consult us.

0,5

0,05 0,1

Nº	Legend
0	Number of operations

2

1

5



Current in Amps

How to order

8324Xxxx (Contact/Force)

- 0 : Standard/4.5N
- 1 : Low level/4.5N
- 2 : Standard/6.5N High force
- 3 : Low level/6.5N High force

8324x**X**xx **(Sealing)** 0 : IP 40

2: IP 67

8324xxXx (Connection)

- 0: W3 terminals for 6.35 mm female connector
- 1 : W3 90B terminals with 90° angle for 6.35 mm female connector
- 2: W5 terminals with screw
- 3: W5 terminals with screw and protective cover
- 4 : W5 terminals supplied without screws

8324xxxX (Accessory fitted)

- 0: Without
- 1 : Mounting plates with holes
- 2 : Mounting plates with notches
- 3 : Roller lever (without plate)
- 4 : Roller lever with mounting plates with holes
- 5 : Roller lever with mounting plates with notches

Example: A PBX with Standard contact (AgNi), 6,5 N force, IP 67 sealing, W3 terminals and Roller lever accessory with mounting plates with holes = 83242204

Accessories supplied separately :

79552459: Mounting plates with holes 79552460: Mounting plates with notches 79552456 : Roller lever (without plate)

79552457 : Roller lever with mounting plates with holes 79552458: Roller lever with mounting plates with notches



- Wire outputs, cable outputs
- Special levers and actuators
- Connections :
- W3 terminals with angle between 0° and 90°
- special add-on terminals
- Special protective cover
- UL CSA, CCC, GOST and VDE certification on request