



### Auxiliary contacts

Description	Type	Order number	Units/type [pcs]	Weight [kg]
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#### Auxiliary contacts for OS Mini

Mounting to the switch mechanism, auxiliary/test contacts. Max. two change over contacts.

##### Change over contacts

Handle position	Main contacts	Aux. / Test contacts N.O.		Type	Order number	Units/type	Weight [kg]
		open	closed				
Test 0	open	closed	open	OA4B1C	1SCA022193R0150	1	0.03
I	open	open	open				
	closed	closed	closed				

##### Single pole contacts > 3 mm contact gap.

1 NO	$\begin{matrix} \_3 \\ \text{NO} \\ \_4 \end{matrix}$	$\begin{matrix} \_1 \\ \text{NC} \\ \_2 \end{matrix}$	OA4B10	1SCA022276R9050	1	0.03
1 NC	$\begin{matrix} \_3 \\ \text{NO} \\ \_4 \end{matrix}$	$\begin{matrix} \_1 \\ \text{NC} \\ \_2 \end{matrix}$	OA4B01	1SCA022276R9210	1	0.03

##### Mounting on the side of the switch with aux.contact frame OESAZX 169.

1NO	$\begin{matrix} \_3 \\ \text{NO} \\ \_4 \end{matrix}$	$\begin{matrix} \_1 \\ \text{NC} \\ \_2 \end{matrix}$	MCB-10	1SCA022150R5110	1	0.03
1NC	$\begin{matrix} \_3 \\ \text{NO} \\ \_4 \end{matrix}$	$\begin{matrix} \_1 \\ \text{NC} \\ \_2 \end{matrix}$	MCB-01	1SCA022150R5370	1	0.03

#### Auxiliary contacts for OS Mini and for OS 30...160

Snap-on mounting on the switch, IP20.

Early-break type. All NO contacts are provided with a positive opening feature. Units/type = 1 piece.

Description	Suitable for	Type	Order number	Delivery batch [pcs]	Weight /unit [kg]
1 NO	All	OA1G10	1SCA022353R4970	10	0.03
1 NC	All	OA3G01	1SCA022456R7410	10	0.03
1 NO	OS 30...63	OA5G10	1SCA022660R2760	10	0.03
1 NC	OS 30...63	OA6G01	1SCA022670R4500	10	0.03

##### For OS Mini:

Max. 6 auxiliary contacts mountable onto the left side with the mounting frame OSZ4.

##### For OS 30...63:

Max. 9 auxiliary contacts mountable onto the left side, of which 3 contacts can be used as test indication contacts. NO test indication contact is OA5G10 and NC test indication contact is OA6G10. No frames needed. Max. 2 auxiliary contacts mountable between the poles, which can be used as Test-contacts.

##### For OS 100...160:

Max. 6 auxiliary contacts per switch side mountable on to the side (OS100...160 B\_). The left side is used for 3 Test-contacts and 3 Test-indication contacts). No frames needed. Max. 3 auxiliary contacts mountable between the poles, of which two contacts can be used as Test-contacts and one contact is used as Test -indication contact.

##### Function charts

for OS 30...160

##### Between poles

Handle position	Main contacts	Aux. / Test contacts N.O.	Test indication <sup>1)</sup> contact N.O.
Test 0	open	closed	closed
I	open	open	open
	closed	closed	open

<sup>1)</sup> Only in types OS 100...160

##### Side of Switch

Handle position	Main contacts	Aux. / Test contacts N.O.	Test indication <sup>2)</sup> contacts N.O.
Test 0	open	open	closed
I	open	open	open
	closed	closed	open

<sup>2)</sup> In types OS 30...63 and OS 100...160B

### Mounting frames for auxiliary contacts of OS Mini

Frame for auxiliary contacts OA1G10 and OA3G01 and for fuse monitor. Max. 6 auxiliary contacts can be fitted.

	Type	Order number	Units/type [pcs]	Weight [kg]
Mounting on the left side of the switch	OSZ4	1SCA022530R0200	1	0.06

Frame for MCB\_ auxiliary contacts. Not suitable for side operated switches. Max. 6 auxiliary contacts can be fitted.

Mounting on the right side of the switch	OESAZX169	1SCA022196R9360	1	0.06
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### Auxiliary contacts

#### Auxiliary contacts for OS 200...400

Mounting on the left side of all (except side connected) switches: Max. 8 auxiliary contact blocks with the OEA28 module. Mounting on the side connected switches: Max. 2 auxiliary contact blocks on each side. Mounting under the mechanism cover:

- OS200...250: Max 4 test contacts or 2 test contacts + 2 test indication contacts.
- OS315...400: Max 4 test contacts and 4 test indication contacts.

The test contacts can be used as standard auxiliary contacts as well.

Suitable for switches	Description	Protection degree	Type	Order number	Units/type [pcs]	Weight [kg]
OS200...400	1NO	IP20	OA1G10	1SCA022353R4970	1	0.03
	1NC	IP20	OA3G01	1SCA022456R7410	1	0.03

#### Module for auxiliary contacts

Screw mounting to the left side of the OS switch fuse

OEA28	1SCA022714R8810
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#### Auxiliary contacts for OESA 630...800

OESA 630...800		1NO+1NC	OZ XK1	1SCA022131R8690	1	0.09
OESA 630...800		2NO+2NC	OZ XK2	1SCA022131R8850	1	0.12
OESA 630...800		4NO+4NC	OZ XK3 <sup>1)</sup>	1SCA022131R9070	1	0.17
OESA 630...800		2NO	OZ XK4	1SCA022131R9230	1	0.09
OESA 630...800		4NO	OZ XK5	1SCA022131R9400	1	0.12
OESA 630...800		8NO	OZ XK6 <sup>2)</sup>	1SCA022131R9660	1	0.17

### Performance data for auxiliary contacts according to IEC 60947-5-1

OA4B1C		OA4B10, OA4B01		MCB_		For OA1G_, OA3G_, OA5G_, OA6G_ <sup>3)</sup>					For OZ XK_ <sup>4)</sup>			
AC15 Ue/le	DC12 Ue/le	AC15 Ue/le	DC12 Ue/le	AC15 Ue/le	DC13 Ue/le	Ue/[V]	AC15 le/[A]	Ue/[V]	DC12 le/[A]	DC13 le/[A]	AC12 Ue/[V]	le/[A]	DC12 Ue/[V]	le/[A]
250V/3A	24V/6A	250V/5A	24V/6A	120V/8A	125V/1.1	230	6	24	10	2	120	8	125	1.1
440V/2A	250V/0.1A	440V/2A	250V/0.1A	230V/6A		400	4	72	4	0.8	240	6	250	0.55
				400V/4A		415	4	125	2	0.55	400	4	440	0.31
				690V/2A		690	2	250	0.55	0.27	415	4	500	0.27
								440	0.1		480	3	600	0.2
											500	3		
											690	2		

<sup>1)</sup> 8no + 8nc = 2 x OZ XK 3  
<sup>2)</sup> 16no = 2 x OZ XK 6

<sup>3)</sup> Cable cross section 0.75...2 x 2.5 mm<sup>2</sup>  
<sup>4)</sup> Cable cross section 0.5...2 x 2.5 mm<sup>2</sup>