Auxiliary contacts
Ordering information


S00261A

OA1G_
OA3G01


S01025A

OA2G11


S00266A

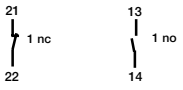
Auxiliary contacts - mounted on both sides of the switch.


S00040A

OBEA_


S01308A

OZXK_



1NC 1NO

Auxiliary contact blocks, IP 20

Contact numbering according to EN 50013. The type and and the ordering numbers are for one piece.

Suitable for switches	Function	Type	Order number	Delivery batch[4] [pcs]	Weight/ unit [kg]
Auxiliary contact blocks for OT 16...125					
Snap-on mounting to the side of the switch I_{th} = 16A, cable cross section max. 2 x 2.5 mm². Early-break type OA1G10					
Mountable on left side, max. 2 pcs					
OT 16...125F_, FT_	1NC	OA1G01	1SCA022353R4890	10	0.03
OT 16...125F_, FT_	1NC	OA1G01AU[1]	1SCA022436R7830	10	0.03
Mountable on the right side, max. 2 pcs					
OT 16...125F_, FT_	1NO	OA1G10	1SCA022353R4970	10	0.03
OT 16...125F_, FT_	1NO	OA1G10AU[1]	1SCA022436R7910	10	0.03
Mountable on both sides OT 16...40: max. 2NO+2NC, OT63...125: max. 4NO+4NC[3]					
OT 16...125F_	1NO+1NC	OA2G11[2]	1SCA022379R8100	10	0.03
Auxiliary contact blocks for OT160E					
Mounting with adapter to the side of the switch I_{th} = 16A, cable cross section max. 2 x 2.5 mm². Mounting with the adapter OAZX1, max. 2 blocks/side.					
OT160E_, ET_	1NO+1NC	OA2G11	1SCA022379R8100	10	0.03
Mounting with adapter on top of the switch I_{th} = 10 A. Cable cross section 0.5 mm²...2 x 2.5 mm². Insulation voltage U_i 690 V. Mounting with the adapter OEZNP1, max. 6 aux. blocks. Early break type.					
OT160E_	1NO	OBEA10	1SCA022190R3000	10	0.02
OT160E_	1NO	OBEA10AU[1]	1SCA022185R3310	10	0.02
OT160E_	1NC	OBEA01	1SCA022190R3260	10	0.02
OT160E_	1NC	OBEA01AU[1]	1SCA022185R3730	10	0.02
Auxiliary contact blocks for OT160EV...2500					
Mounting under the mechanism cover The "test" contacts operate in ON- and OFF-positions as well as when the handle is turned to TEST-position = 45 degrees over the OFF-position. The "test indication" contacts operate only when the handle is turned to TEST-position. See the function table below. The OA1G10 (N.O.) or OA3G01 (N.C.) auxiliary contact blocks can be used as standard auxiliary contacts, "test" or "test indication" contacts. The desired functions are achieved when an auxiliary contact block is installed in a specific place shown in the mounting instruction. In order to activate the "test" and "test indication" features a handle with test function is required. See the optional handles, page 31.					
OT160EV-250: Max. 4 test contacts or 2 test contacts + 2 test indication contacts. OT315-800: Max. 4 test contacts + 4 test indication contacts. OT1000-2500: Max 4 test indication contacts + 6 test contacts + 2 early operation test contacts. The test contacts can be used as standard auxiliary contacts as well.					
Function table of OT160EV...2500 auxiliary contacts					

Handle position	Main contacts	Aux. / Test contacts N.O.	Test indication contact N.O.
Test	open	closed	closed
0	open	open	open
I	closed	closed	open

Mounting on the left side of the switch Max. 8 auxiliary contact blocks with the OEA28 module.					
OT160EV...2500	1NO	OA1G10	1SCA022353R4970	10	0.03
	1NO	OA1G10AU [1]	1SCA022436R7910	10	0.03
	1NC	OA3G01	1SCA022456R7410	10	0.03
	1NC	OA3G01AU [1]	1SCA022819R5260	10	0.03

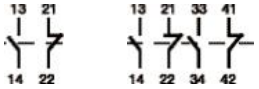
[1] Types _AU are gold plated for extremely difficult circumstances and low voltages.
[2] Not mountable on the same side as the fourth pole.
[3] Contact numbering:
(83) (43) (53) 13 21 (61) (31) (71)
(84) (44) (54) 14 22 (62) (32) (72)
[4] Auxiliary contacts OA1G_ are available in larger packing as well. A bulk package includes 50 switches. Type number: add a suffix: /B, e.g. OA1G01/B.

Early break type auxiliary contacts means that in the switches, the NO aux.contacts break before the main contacts open.

Performance data of auxiliary contacts, see page 39.

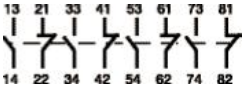
The contact timing: see the charts on page 78.

Auxiliary contacts
Ordering information

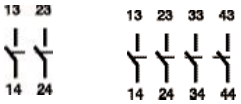


1NO+1NC

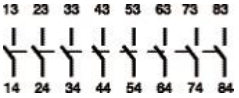
2NO+2NC



4NO+4NC



2NO 4NO



8NO



OA_G_

Auxiliary contact blocks, IP 20

Contact numbering according to EN 50013. The type and and the ordering numbers are for one piece.

Suitable for switches	Function	Type	Order number	Delivery batch [pcs]	Weight/ unit [kg]

Auxiliary contact blocks for OETL3150

Mounting on the mechanism cover
I_{th} = 10 A. Cable cross section 0.5 mm²...2 x 2.5 mm². Insulation voltage U_i 690 V. Early break type.

OETL3150	1NO+1NC	OZXK1	1SCA022131R8690	1	0.12
OETL3150	2NO+2NC	OZXK2	1SCA022131R8850	1	0.12
OETL3150	4NO+4NC	OZXK3[1)]	1SCA022131R9070	1	0.18
OETL3150	2NO	OZXK4	1SCA022131R9230	1	0.09
OETL3150	4NO	OZXK5	1SCA022131R9400	1	0.12
OETL3150	8NO	OZXK6[2)]	1SCA022131R9660	1	0.18

Auxiliary contacts for OTM160...2500

Mounting on the side

Units/type = 1 piece.
Types _AU have gold plated contacts for harsh environments and low operating voltages.

Mounting on the right side of the OTM motorized switch-disconnector: Maximum 2+2 auxiliary contact blocks (N.O. or N.C.), snap-on mounting.

Suitable for switches	Description	Protection degree	Type	Order number	Delivery batch [pcs]	Weight [kg]
OTM	1NO	IP20	OA1G10	1SCA022353R4970	10	0.03
	1NC	IP20	OA3G01	1SCA022456R7410	10	0.03
	1NO	IP20	OA1G10AU	1SCA022436R7910	10	0.03
	1NC	IP20	OA3G01AU	1SCA022819R5260	10	0.03

Mounting under the mechanism cover:

The “test” contacts operate in ON- and OFF-positions as well as when the handle is turned to TEST-position = 45 degrees over the OFF-position. The “test indication” contacts operate only when the handle is turned to TEST-position. See the function table below. The OA1G10 (N.O.) or OA3G01 (N.C.) auxiliary contact blocks can be used as standard auxiliary contacts, “test” or “test indication” contacts. The desired functions are achieved when an auxiliary contact block is installed in a specific place shown in the mounting instruction.

Function table of OTM auxiliary contacts

Handle position	Main contacts	Aux./Test contacts N.O.	Test indication contacts N.O.
Test	open	closed	closed
0	open	open	open
I	closed	closed	open

Maximum number of contact blocks, “Aux./test” contacts and “test indication” contacts, see the table below.

Maximum number of auxiliary contacts under the mechanism cover of OTM

	OTM 160...250	OTM315...400	OTM630...800	OTM 1000...2500
Maximum number of contact blocks	2	4	4	6
Aux./Test contacts	2	-	-	2[3)]
Test indication contacts	-	4	4	4

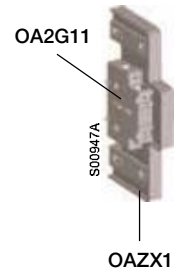
[1)] 8 NO + 8 NC auxiliary contacts = 2 x OZXK 3
[2)] 16 NO auxiliary contacts = 2 x OZXK 6
[3)] Early operation test contact

Early break type auxiliary contacts means that in the switches, the NO aux.contacts break before the main contacts open.

Performance data of auxiliary contacts, see next page.

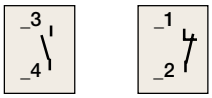
The contact timing: see the charts on page 78.

Auxiliary contacts
Ordering information

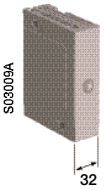




OEZNP 1



Configuration labels:
OBEAZX 10 OBEAZX 01



OEA28

Mounting accessories for auxiliary contacts

Suitable for switches	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
Adapter for OA2G11 with OT160E				
Max. two blocks/side. Mountable on either side of the switch.				
OT160E_, ET_	OAZX1	1SCA022467R5140	1	0.03
Adapter for OBEA__ with OT160E				
Mountable on top of the switch.				
OT160E	OEZNP1	1SCA022259R7410	1	0.02
Numbering stickers for auxiliary contact blocks OBEA_ Required if several blocks are used. Fill numbers by pen or typewrite.				
OBEA10, 1 NO	OBEAZX10	1SCA022264R9910	10	0.01
OBEA01, 1 NC	OBEAZX01	1SCA022276R2470	10	0.01
Module for auxiliary contacts with OT160EV...2500				
Screw mounting to the left side of the switch				
OT160EV...2500	OEA28	1SCA022714R8810	1	0.04

Performance data of auxiliary contacts according to IEC 60947-5-1

For OA1G_, OA2G_, OA3G_							For OBEA_ and OZXK_			
Ue/[V]	AC15 Ie/[A]	Ue/[V]	DC12 Ie/[A]	DC12 P/[W]	DC13 Ie/[A]	DC13 P/[W]	AC12 Ue/[V]	AC12 Ie/[A]	DC12 Ue/[V]	DC12 Ie/[A]
230	6	24	10	240	2	50	120	8	125	1.1
400	4	72	4	290	0.8	60	240	6	250	0.55
415	4	125	2	250	0.55	70	400	4	440	0.31
690	2	250	0.55	140	0.27	70	415	4	500	0.27
		440	0.1	44			480	3	600	0.2
							500	3		
							690	2		

For OA1G_, OA2G_, OA3G_	
U_i/[V]	690
U_{imp}/[kV]	4
Pollution degree	3
I_{th}/[A]	16
Cable size	1...2 x 0.75...2.5 mm^2
Maximum fuse	16A / gG
NEMA	A600, R300, wire size: 18 - 14 AWG, 1(2)