



Short form catalogue

Switchgear

Enclosed switch disconnectors,
switch fuses and automatic transfer switches

Power and productivity
for a better world™



Switchgear

Enclosed OT switch disconnectors, OS switch fuses and
ATS Automatic transfer switches



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Switchgear - Loadbreak & safety switches

IP65 Double insulated enclosure

Load Break Switches 3 - 4 pole 9...37kW

Description

- IP65 three and four-pole switch disconnectors suitable for load break switching or isolation.
- Polycarbonate enclosure. IEC 60947-3

Polycarbonate Enclosure 9kW ... 11kW 3 pole

Rating@415v			Dimensions mm			Part Number	Product Hierarchy 4000002 Order Code
1th A	AC22	kW	H	W	D		
32	25	9	125	100	107	S37K5N-A	S37K5N-A
40	40	11				S315KN-A	S315KN-A



Polycarbonate Enclosure 9kW ... 37kW 4 pole

Rating@415v			Dimensions mm			Part Number	Product Hierarchy 4000002 Order Code
1th A	AC22	kW	H	W	D		
32	25	9	125	100	107	S47K5N-A	S47K5N-A
40	40	11				S415KN-A	S415KN-A
63	63	22	170	140	108	S418KN-A	S418KN-A
80	80	37				S426KN-A	S426KN-A

Load Break Switches 3 - 4 - 6 pole 16...125 amps

Description

- IP65 rated
- Grey plastic enclosure
- Standard handle - Red/Yellow (padlockable in the off position)
- Cable entries top and bottom
- All OTP16 (excluding 3p) /25/32 all have 25/20mm reducers



Rating@415v				No. Poles	Dimensions mm			Part Number	Product Hierarchy 4000002 Order Code
1th A	AC22	AC23	kW		H	W	D		
25	16	16	7.5	3 + solid neutral	150	130	60	OTP16BA3M	OTP16BA3M
				4				OTP16BA4MS	OTP16BA4MS
				6				OTP16BA6M	OTP16BA6M
32	25	20	9	3 + solid neutral	150	130	60	OTP25BA3M	OTP25BA3M
				4				OTP25BA4M	OTP25BA4M
				6				OTP25BA6M	OTP25BA6M
40	40	23	11	3+ neutral	150	130	60	OTP32BA3M	OTP32BA3M
				4				OTP32BA4M	OTP32BA4M
				6				OTP32BA6M	OTP32BA6M
63	63	45	22	3+ solid neutral	200	145	90	OTP45BA3M	OTP45BA3M
				4				OTP45BA4M	OTP45BA4M
				6				OTP45BA6M	OTP45BA6M
80	80	75	37	3+ solid neutral	200	145	90	OTP63BA3M	OTP63BA3M
				4				OTP63BA4M	OTP63BA4M
				6				OTP63BA6M	OTP63BA6M
125	125	90	45	3+ solid neutral	400	200	140	OTP125BA3U	OTP125BA3U
				4				OTP125BA4U	OTP125BA4U
				6				OTP125BA6U	OTP125BA6U

Safety Switches 3 pole 16...40 amps

Rating@415v				No. Poles	Dimensions mm			Part Number	Product Hierarchy 4000002 Order Code
1th A	AC22	AC23	kW		H	W	D		
25	16	16	7.5	3	150	130	60	OTP16B3M	OTP16B3M
32	25	20	9	3	150	130	60	OTP16B3M	OTP16B3M
40	40	23	11	3	150	130	60	OTP32B3U	OTP32B3U

Switchgear - Loadbreak switches

IP65 Steel enclosure

Load Break Switches 3 - 4 pole 20 ... 800A

- IP65 rated (not suitable for external installation)
- Powder coated textured finish (RAL 7035)
- All 3 pole switches include detachable neutral link (OT160 solid link)
- Hinged lid complete with lock
- Padlockable pistol grip handle as standard
- Removable gland plates fitted top and bottom (see below for knockout configurations)
- Spreader boxes available see below



Rating@415v [A]			Dimensions			No. Poles	Part Number	Product Hierarchy 4000003 Order Code
1th A	AC22	AC23	H	W	D			
32	25	20	300	200	150	3+ solid neutral	OT20TPN-A	OT20TPN-A
						4	OT20FP-A	OT20FP-A
40	40	23	300	200	150	3+ solid neutral	OT32TPN-A	OT32TPN-A
						4	OT32FP-A	OT32FP-A
80	80	75	300	300	150	3+ solid neutral	OT63TPN-A	OT63TPN-A
						4	OT63FP-A	OT63FP-A
115	100	80	400	300	150	3+ solid neutral	OT100TPN-A	OT100TPN-A
						4	OT100FP-A	OT100FP-A
125	125	90	400	300	150	3+ solid neutral	OT125TPN-A	OT125TPN-A
						4	OT125FP-A	OT125FP-A
160	160	135	500	400	200	3+ solid neutral	OT160TPN-A	OT160TPN-A
						4	OT160FP-A	OT160FP-A
200	200	200	500	400	200	3+ solid neutral	OT200TPN-A	OT200TPN-A
						4	OT200FP-A	OT200FP-A
315	315	315	500	400	200	3+ solid neutral	OT315TPN-A	OT315TPN-A
						4	OT400FP-A	OT400FP-A
500	500	500	500	400	200	3+ solid neutral	OT400TPN-A	OT400TPN-A
						4	OT400TPN-A	OT400TPN-A
630	630	630	600	400	250	3+ solid neutral	OT630TPN-A	OT630TPN-A
						4	OT630FP-A	OT630FP-A
800	800	800	600	400	250	3+ solid neutral	OT800TPN-A	OT800TPN-A
						4	OT800TPN-A	OT800TPN-A

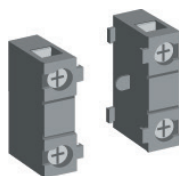
Spreader Boxes

Suitable for Loadbreak Switches

	Product Hierarchy 3200003	
	Spreader Box Order Code	Spreader Box Gasket Order Code
OT20, OT32, OT63, OT100, OT125	Not Required	
OT160, OT200, OT315, OT400	SRN5420K	GZ4020
OT630, OT800	SRN6425K	GZ4025
Wall Mounting Brackets (Pack of 4)		AA1206

Auxiliary Contacts

1 N/O	OA1G10	OA1G10
1 N/C - only for OT20-125	OA1G01	OA1G01
1 N/C - only for OT200 and above	OA3G01	OA3G01
1 N/O - 1 N/C - OT20-125 and OT160 only	OA2G11	OA2G11
Mounting module for OA2G11 - for OT160 only	OAZX1	OAZX1



Switchgear - Switch fuses

IP65 Steel enclosure

3 - 4 pole 20 ... 800A

- IP65 rated (not suitable for external installation)
- Powder coated textured finish (RAL 7035)
- All switches are supplied with fuses and removable gland plates
- All 3 pole switches include detachable neutral link (OT160 solid link)
- Switch Fuses are internally rated IP20 on incoming terminals up to 63A
- Hinged lid complete with lock
- Padlockable pistol grip handle as standard
- Switch Fuses 100A are supplied with incoming terminal shrouds (NOT FITTED) to allow customer connections
- Spreader boxes available see below

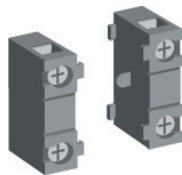


1thA	AC23 [kW]			Dimensions			No. Poles	Fuse Type	Part Number	Product Hierarchy 400003 Order Code
	400V	500V	690V	H	W	D				
20	7.5	11	15	300	300	150	3+ detach neutral	A1	OS20TPN-A	OS20TPN-A
							4		OS20FP-A	OS20FP-A
32	15	18	25	300	300	150	3+ detach neutral	A2	OS32TPN-A	OS32TPN-A
							4		OS32FP-A	OS32FP-A
63	30	37	55	400	300	150	3+ detach neutral	A2/A3	OS63TPN-A	OS63TPN-A
							4		OS63FP-A	OS63FP-A
100	55	55	90	400	300	150	3+ detach neutral	A2/A3	OS100TPN-A	OS100TPN-A
							4		OS100FP-A	OS100FP-A
125	55	75	110	400	300	150	3+ detach neutral	A2/A3	OS125TPN-A	OS125TPN-A
							4		OS125FP-A	OS125FP-A
160	75	90	132	500	400	200	3+ solid neutral	A3/A4	OS160TPN-A	OS160TPN-A
							4		OS160FP-A	OS160FP-A
200	110	132	200	600	400	250	3+ detach neutral	B1/B2	OS200TPN-A	OS200TPN-A
							4		OS200FP-A	OS200FP-A
315	160	220	220	600	400	250	3+ detach neutral	B1/B4	OS315TPN-A	OS315TPN-A
							4		OS315FP-A	OS315FP-A
400	220	280	400	600	400	250	3+ detach neutral	B1/B4	OS400TPN-A	OS400TPN-A
							4		OS400FP-A	OS400FP-A
630	355	450	560	600	600	300	3+ detach neutral	C1/C2	OS630TPN-A	OS630TPN-A
							4		OS630FP-A	OS630FP-A
800	450	560	710	800	600	300	3+ detach neutral	C1/C2	OS800TPN-A	OS800TPN-A
							4		OS800FP-A	OS800FP-A

Note: OT630 & OT800 TPN/FP products are made to order and are non-stock items

Spreader Boxes

Suitable for Loadbreak Switches	Spreader Box		Spreader Box Gasket	
	Part Number	Product Hierarchy 3200003 Order Code	Part Number	Product Hierarchy 3200003 Order Code
OS20 - OS125	Not Required	-	Not Required	-
OS160	SRN5420K	SRN5420K	GZ4020	GZ4020
OS200 - OS400	SRN6425K	SRN6425K	GZ4025	GZ4025
OS630 - OS800	SRN8530K	SRN8530K	GZ6030	GZ6030



Wall Mounting Brackets (Pack of 4)	AA1206	AA1206
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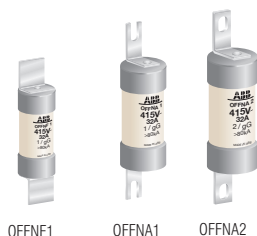
Auxiliary Contacts

1 N/O	OA1G10	OA1G10
1 N/C	OA3G01	OA3G01
1 N/O - 1 N/C	OA2G11	OA2G11
1 x CO contact - only for products OS20_/OS32_	OA4B1C	OA4B1C
Mounting frame to fit OA1/OA3 aux on left side of OS20/OS32 switch fuse (only for OS20_/OS32_)	OSZ4	OSZ4

Switchgear - BS fuses

HRC fuse links, BS-type

BS Fuses



BS-fuse type	In [A]	Ph [W]	Part Number	Product Hierarchy 0002100007 Order Code
Tag type: Offset				
F1	2	0.9	OFFNF1GG2	1SCA107786R1001
	4	1.5	OFFNF1GG4	1SCA107787R1001
	6	1.5	OFFNF1GG6	1SCA107788R1001
	10	1.2	OFFNF1GG10	1SCA107789R1001
	16	1.6	OFFNF1GG16	1SCA107790R1001
	20	1.7	OFFNF1GG20	1SCA107791R1001
	25	2.0	OFFNF1GG25	1SCA107792R1001
	32	2.9	OFFNF1GG32	1SCA107793R1001

Tag type: Offset, two holes fixing 20				
A1	2	0.9	OFFNA1GG2	1SCN833065R2012
	4	1.5	OFFNA1GG4	1SCN833066R2012
	6	1.5	OFFNA1GG6	1SCN833067R2012
	10	1.2	OFFNA1GG10	1SCN833068R2012
	16	1.6	OFFNA1GG16	1SCN833069R2012
	20	1.7	OFFNA1GG20	1SCN833061R2012
	25	2.0	OFFNA1GG25	1SCN833070R2012
	32	2.9	OFFNA1GG32	1SCN833062R2012
A2	6	1.5	OFFNA2GG6	1SCA107795R1001
	10	1.2	OFFNA2GG10	1SCA107796R1001
	16	1.6	OFFNA2GG16	1SCA107798R1001
	20	1.7	OFFNA2GG20	1SCA107827R1001
	25	2.0	OFFNA2GG25	1SCA107800R1001
A3	32	2.9	OFFNA2GG32	1SCA107801R1001
	40	3.0	OFFNA3GG40	1SCA107803R1001
	50	3.6	OFFNA3GG50	1SCA107804R1001
A4	63	4.7	OFFNA3GG63	1SCA107805R1001
	50	3.6	OFFNA4GG50	1SCA107806R1001
	63	4.7	OFFNA4GG63	1SCA107807R1001
	80	6.5	OFFNA4GG80	1SCA107808R1001
	100	7.5	OFFNA4GG100	1SCA107809R1001
	125	11.5	OFFNA4GG125	1SCA107810R1001
B1	160	14.5	OFFNA4GG160	1SCN833063R2012
	200	16.2	OFFNA4GG200	1SCN833064R2012
	50	4.8	OFFNB1GG50	1SCA107811R1001
	63	5.9	OFFNB1GG63	1SCA107812R1001
B2	80	6.5	OFFNB1GG80	1SCA107813R1001
	100	7.5	OFFNB1GG100	1SCA107814R1001
	125	11.5	OFFNB2GG125	1SCA107816R1001
	160	14.5	OFFNB2GG160	1SCA107817R1001
	200	16.2	OFFNB2GG200	1SCA107818R1001

Tag type: Central, two holes fixing 10				
B3	250	24.0	OFFNB3GG250	1SCA107819R1001
	315	31.0	OFFNB3GG315	1SCA107820R1001
	400	38.0	OFFNB4GG400	1SCA107822R1001

Tag type: Central, four holes fixing				
C1	400	38.0	OFFNC1GG400	1SCA107823R1001
C2	500	48.0	OFFNC2GG500	1SCA107824R1001
	630	54.0	OFFNC2GG630	1SCA107825R1001
C3	800	68.0	OFFNC3GG800	1SCA107826R1001

Switchgear - Automatic transfer switches

Functionality & features



As industrial processes and IT applications diversify, a secure power supply is becoming an increasingly important asset in the drive to cut production and maintenance costs. In emergency situations, the system logic of power distribution can become complex with mechanical devices looking after the making, breaking, conducting and isolating of power. Loads may sometimes need to be transferred from one supply to another — this will be the case when energy use is restricted or when the supply source is overloaded.

High performance level

In change-over applications where the loaded switch may need to be operated remotely, adequate durability has been ensured by testing against the IEC 60947-6-1 standard in the specification of endurance requirements.

Utilisation categories:

- AC-31 for non-inductive or slightly inductive load
 - AC-33 for motor loads or mixed loads including motors
- ABB change-over switches are rated according to IEC 60947-6-1 standard.

Switchgear - Automatic transfer switches

Functionality & features



Functionality	OMD300	OMD800
Includes automatic control unit	OMD300	OMD800
Manual operation with handle	X	X
Local operation with front panel keypad	X	X
Measurements		
Three phase voltage measurement on LINE 1 & 2	X	X
Single phase voltage measurement on LINE 1 & 2	X	X
Frequency on LINE 1 & 2	X	X
Source failure detections		
No voltage	X	X
Undervoltage	X	X
Overvoltage	X	X
Phase missing	X	X
Voltage unbalance	X	X
Invalid frequency	X	X
Incorrect phase sequence		X
Configuration		
By DIP switches	X	
By rotary switches	X	
By keypad and LCD		X
Voltage threshold setting	X	X
Voltage hysteresis setting		X
Frequency threshold setting		X
Frequency hysteresis setting		X
Time delays		
Switching delay	X ¹⁾	X
Delay on transfer ²⁾		X
Dead band time I-II (stop switching to position 0)		X
Back-switching delay	X ³⁾	X
Dead band time II-I (stop switching to position 0)		X
Generator stop delay	X ⁴⁾	X
Status of time delays on the LCD		X
Features		
Includes automatic control unit	OMD300	OMD800
Generator start and stop	X	X
Off-load test sequence	X	X
On-load test sequence	X	X
Source status via front panel	X	X
Source status via digital outputs		X
Switch position via front panel	X	X
Modbus interface		X
Event/alarm log		X
Counter for number of operations		X
Auxiliary voltage supply		X
Programmable digital inputs (eight) and digital outputs (six)		X
Secondary load control (load shedding)		X
Digital input - Allow transfer to secondary		X
Digital input - Generator alarm		X
Digital input - Remote control to positions I, 0 and II		X
Operating mode		
Line priority	X ⁵⁾	X ⁶⁾
Manual back-switching	X	X
Automatic operation to position 0, in case of source failure		X

x = included as standard

1) Four options: 0, 5, 10 or 30 seconds

2) Delaying the switching sequence before transferring to generator, guaranteeing that in cold locations the generator is properly warmed up

3) Two options: the duration of back-switching delay is the same as switching delay, i.e. the time delay is same for I - II and II - I, or the back-switching delay is fixed 300 seconds

4) Two options: the duration of generator stop delay is the same as Switching delay or fixed 5 min

5) Two options: No line priority, or Source 1 is the priority source

6) Three options: No line priority, Source 1 or Source 2 is the priority source

Switchgear - Automatic transfer switches

Selection

Enclosed automatic transfer switches, I-O-II operation, open transition

- ATS 4 pole with OMD300 & OMD800 controller, blank door, wall mountable
-



Description	Rated Current (A)	Enclosure Size (mm)			Controller OMD300		Controller OMD800	
		H	W	D	Part Number	Order Code	Part Number	Order Code
ATS 40A	40	600	600	250	OTA40E4C3SR	1TVC004014S3000	OTA40E4C8SR	1TVC004014S8000
ATS 63A	63	600	600	250	OTA63E4C3SR	1TVC006314S3000	OTA63E4C8SR	1TVC006314S8000
ATS 125A	125	600	600	250	OTA125E4C3SR	1TVC012514S3000	OTA125E4C8SR	1TVC012514S8000
ATS 160A	160	600	600	250	OTA160E4C3SR	1TVC016014S3000	OTA160E4C8SR	1TVC016014S8000
ATS 250A	250	600	600	250	OTA250E4C3SR	1TVC025014S3000	OTA250E4C8SR	1TVC025014S8000
ATS 400A	400	800	600	300	OTA400E4C3SR	1TVC040014S3000	OTA400E4C8SR	1TVC040014S8000
ATS 630A*	630	1000	800	400	OTA630E4C3AM	1TVC063024S3000	OTA630E4C8AM	1TVC063024S8000
ATS 800A*	800	1000	800	400	OTA800E4C3AM	1TVC080024S3000	OTA800E4C8AM	1TVC080024S8000
ATS 1000A*	1000	1400	800	500	OTA1000E4C3AM	1TVC100024S3000	OTA1000E4C8AM	1TVC100024S8000
ATS 1250A*	1250	1400	800	500	OTA1250E4C3AM	1TVC125024S3000	OTA1250E4C8AM	1TVC125024S8000
ATS 1600A*	1600	1400	800	500	OTA1600E4C3AM	1TVC160024S3000	OTA1600E4C8AM	1TVC160024S8000

* Floor standing - plinths from accessories below.

Bypass options are available on request.
Other wall mounting and floor standing versions available on request.

Single Bypass and Dual Bypass ATS are available on request

Optional extras

Description	Part Number	Order Code
2 pilot lights	ATS2PL	1TVC151800S2311
Door mounted controller complete with IP54 cover plate	ATSDMC	1TVC151800S2312
Energy meter	ATSEM	1TVC151800S2313
Aniti-condensation heater with thermostat	ATSHT	1TVC151800S2314

Accessories

Description	Suitable switch	Part Number	Order Code
N/O auxiliary for on right hand side of switch	OTA40-1600	0A1G10	1SCA022673R1140
N/O auxiliary for on left hand side of switch	OTA40-125	0A7G10	1SCA022744R2240
N/C auxiliary for on right hand side of switch		0A8G01	1SCA022353R4890
N/C auxiliary for on left hand side of switch	OTA160-1600	0A1G01	1SCA022456R1710
N/C auxiliary for on right hand side of switch		0A3G01	1SCA022456R7410
Direct mounting handle, padlockable with 3 padlocks in '0' position. Includes shaft and mech cover	OTA40-125	0HB65D6CM	1SCA022870R9430
	OTA160-250	0TV250ECMK	1SCA022804R0570
	OTA400	0TV400ECMK	1SCA022843R2900
	OTA630-800	0TV800ECMK	1SCA022804R3410
	OTA1000-1600	0TV1000ECMK	1SCA111301R1001
Handle and spare fuse storage clip	OTA40-125	0TVS0	1SCA117524R1001
	OTA160-250	0TVS1	1SCA111413R1001
	OTA400-1600	0TVS2	1SCA111414R1001
IP54 cover plate for door mounting ATS controller	All	0MZC2	1SCA101001R1001
Yale type key, 19mm dia box with security insert	OTA40-400	AA8002	AA8002
Unique coded Yale insert lock	OTA630-1600	EV1036	EV1036
A4 Document pocket	All	EV1075K	EV1075K
Blind plinth flanges (pair) H100 x W800mm	OTA630-1600	ZN8000	ZN8000
Blind plinth flanges (pair) H100 x D400mm	OTA630-800	ZN4011	ZN4011
Blind plinth flanges (pair) H100 x D500mm	OTA1000-1600	ZN5011	ZN5011
Wall mounting brackets (4 off)	OTA40-400	AA1206	AA1206
Anti tilting brackets (pair)	OTA630-1600	TA1207	TA1207



Enclosed Automatic Transfer Switch with ATS2PL & ATSDMC optional extras

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