



AUTOMATIC TRANSFER SWITCHES

TECHNICAL SALES BROCHURE

SAFE IN OUR HANDS



t: 01543 375 541
e: sales@craigandderricott.com
w: www.craigandderricott.com

WHO ARE CRAIG & DERRICOTT

Over the past 100 years, Craig & Derricott have earned a strong reputation for customer service excellence and delivery of high-quality products.

We specialise in the design, manufacture and overhaul of low voltage electrical isolation switchgear, control stations, automatic transfer switches, EV Chargers, rail rolling stock components and LED lighting, supplying to customers large and small around the world.

Our customers operate in a wide variety of markets and sectors including Railway, Construction, Ventilation (Fire Rated), Explosion Proof, Medical, Military, Panel Builders and Power & Distribution.

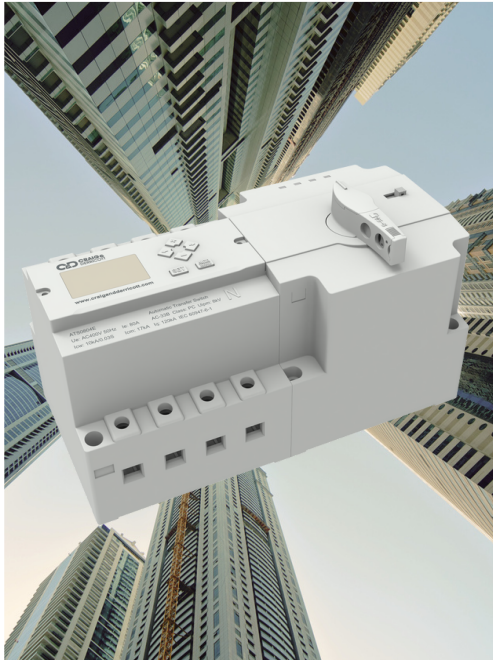
Our aim is to support our customers through innovative and quality engineering, products and services. We strive to form strong and sustainable commercial partnerships, with a positive impact for sustainability, for key industries and for the planet. The world keeps changing, but after 100 years our passion stays the same.

If you have any questions regarding any of the products shown in this brochure, contact us via our website chat, email or telephone, or speak to our area sales managers listed on page 10. We are more than happy to answer any questions and queries you may have.



PANEL ATS SWITCHES

This range of motorised panel automatic transfer switches are rated from 32A to 630A. These can be supplied in SPN (230V) and TPN (400V) AC 50/60Hz variants. Our ATS units are designed to allow safe automatic transfer of loads from a primary supply to a standby generator or secondary power supply.



SPECIFICATION DETAIL

Each panel ATS switch comes standard with the following:

- LED status display and keypad – for ATS configuration.
- Lock off actuator for downstream maintenance.
- AC33B utilisation category.
- Generator Stop / Start delay functionality.
- Modbus communication.
- Aux power supply option 24V DC.

Applied Standards: EN60947-6-1 PC type.

CATALOGUE NUMBERS

SPN: ATS0802E | TPN: ATS0804E

32-80A

230mm x 125mm x 130mm

Max Cable Size 25mm²

Mounting CRS 212mm x 100mm | Hole Dia. M4

ATSDISPE

REMOTE DISPLAY MODULE

133mm x 66mm x 35mm

SPN: ATS1252E | TPN: ATS1254E

100-125A

245mm x 130mm x 122mm

Max Cable Size 35mm²

Mounting CRS 230mm x 113mm | Hole Dia. M4

ATS125SE

TERMINAL SHROUD

Suitable for ATS1252E / ATS1254E

SPN: ATS2502E | TPN: ATS2504E

160-250A

295mm x 175mm x 175mm

Max Cable Size 95mm²

Mounting CRS 275mm x 152mm | Hole Dia. M6

ATS250SE

TERMINAL SHROUD

Suitable for ATS2502E / ATS2504E

SPN: ATS6302E | TPN: ATS6304E

400-630A

430mm x 272mm x 228mm

Max Cable Size Of 2 x 240mm²

Mounting CRS 400mm x 240mm | Hole Dia. M6

ATS630SE

TERMINAL SHROUD

Suitable for ATS6302E / ATS6304E

STANDARD MOTORISED TYPE ATS

This range of motorised automatic transfer switches are rated from 32A to 630A. These can be supplied in SPN (230V) and TPN (400V) AC 50/60Hz variants. Our ATS units are designed to allow safe automatic transfer of loads from a primary supply to a standby generator or secondary power supply.



SPECIFICATION DETAIL

Each ATS comes standard with the following:

- LED status display and keypad – for ATS configuration.
- Lock off actuator for downstream maintenance.
- AC33B utilisation category.
- Generator Stop / Start delay functionality.
- Modbus communication.
- Aux power supply option 24V DC.
- ATS status is visible through a window supplied in the enclosure door.

Each ATS is supplied in a light grey (RAL 7035) sheet steel enclosure with removable gland plates, offering IP65 protection degree from dust and water ingress.

Applied Standards: EN60947-6-1 PC type.

CATALOGUE NUMBERS

SPN: ATS0322E000 | TPN: ATS0324E000

32A

400mm x 400mm x 200mm - IP65
Max Cable Size 25mm² - Top & Bottom Entry

SPN: ATS0452E000 | TPN: ATS0454E000

45A

400mm x 400mm x 200mm - IP65
Max Cable Size 25mm² - Top & Bottom Entry

SPN: ATS0632E000 | TPN: ATS0634E000

63A

400mm x 400mm x 200mm - IP65
Max Cable Size 25mm² - Top & Bottom Entry

SPN: ATS0802E000 | TPN: ATS0804E000

80A

400mm x 400mm x 200mm - IP65
Max Cable Size 25mm² - Top & Bottom Entry

SPN: ATS1002E000 | TPN: ATS1004E000

100A

400mm x 400mm x 200mm - IP65
Max Cable Size 35mm² - Top & Bottom Entry

SPN: ATS1252E000 | TPN: ATS1254E000

125A

500mm x 500mm x 200mm - IP65
Max Cable Size 35mm² - Top & Bottom Entry

SPN: ATS1602E000 | TPN: ATS1604E000

160A

600mm x 600mm x 300mm - IP65
Max Cable Size 95mm² - Top & Bottom Entry

SPN: ATS2502E000 | TPN: ATS2504E000

250A

800mm x 600mm x 300mm - IP65
Max Cable Size 95mm² - Top & Bottom Entry

SPN: ATS4002E000 | TPN: ATS4004E000

400A

1000mm x 600mm x 300mm - IP65
Max Cable Size 2 x 240mm² - Top & Bottom Entry

SPN: ATS6302E000 | TPN: ATS6304E000

630A

1000mm x 600mm x 300mm - IP65
Max Cable Size 2 x 240mm² - Top & Bottom Entry

STANDARD MOTORISED FORM 3 TYPE ATS

This range of form 3 motorised automatic transfer switches are rated from 32A to 630A. These can be supplied in SPN (230V) and TPN (400V) AC 50/60Hz variants. Our ATS units are designed to allow safe automatic transfer of loads from a primary supply to a standby generator or secondary power supply.



SPECIFICATION DETAIL

Each ATS comes standard with the following:

- LED status display and keypad – for ATS configuration.
- Lock off actuator for downstream maintenance.
- AC33B utilisation category.
- Generator Stop / Start delay functionality.
- Modbus communication.
- BMS connectivity.
- Aux power supply option 24V DC.
- Incoming isolators & outgoing terminals.
- Volt free status relays, mimic and Modbus terminals for easy connection.

Each ATS is supplied in a light grey (RAL 7035) sheet steel enclosure with removable gland plates, offering up to IP65 protection degree from dust and water ingress.

Applied Standards: EN60947-6-1 PC type, BS EN/IEC 61439-2, BS EN/IEC 60947-3.

CATALOGUE NUMBERS

SPN: ATS0322E500 | TPN: ATS0324E500

32A

500mm x 500mm x 200mm - IP65
Max Cable Size 16mm² - Bottom Entry

SPN: ATS0452E500 | TPN: ATS0454E500

45A

500mm x 500mm x 200mm - IP65
Max Cable Size 16mm² - Bottom Entry

SPN: ATS0632E500 | TPN: ATS0634E500

63A

600mm x 600mm x 200mm - IP65
Max Cable Size 35mm² - Bottom Entry

SPN: ATS0802E500 | TPN: ATS0804E500

80A

600mm x 600mm x 200mm - IP65
Max Cable Size 35mm² - Bottom Entry

SPN: ATS1002E500 | TPN: ATS1004E500

100A

600mm x 600mm x 200mm - IP65
Max Cable Size 50mm² - Bottom Entry

SPN: ATS1252E500 | TPN: ATS1254E500

125A

600mm x 600mm x 200mm - IP65
Max Cable Size 50mm² - Bottom Entry

SPN: ATS1602E500 | TPN: ATS1604E500

160A

800mm x 600mm x 300mm - IP65
Max Cable Size 70mm² - Bottom Entry

SPN: ATS2502E500 | TPN: ATS2504E500

250A

1000mm x 800mm x 300mm - IP65
Max Cable Size 95mm² - Bottom Entry

SPN: ATS4002E500 | TPN: ATS4004E500

400A

1200mm x 1000mm x 300mm - IP55
Max Cable Size 240mm² - Bottom Entry

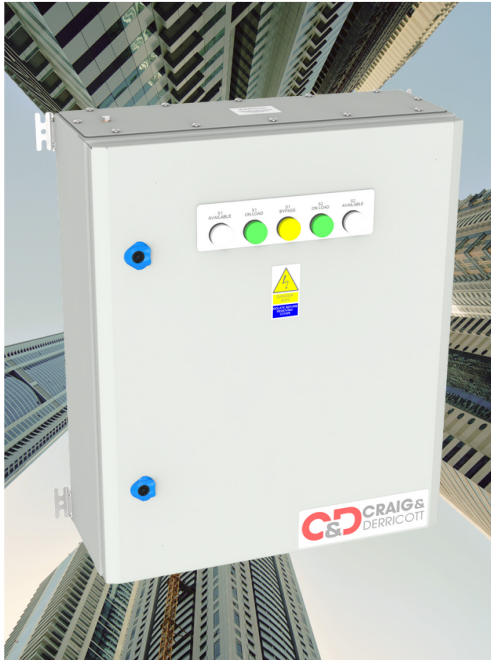
SPN: ATS6302E500 | TPN: ATS6304E500

630A

1200mm x 1000mm x 300mm - IP55
Max Cable Size 2 x 240mm² - Bottom Entry

SINGLE LINE BYPASS FORM 3 TYPE ATS

This range of life safety form 3 motorised automatic transfer switches with no-break single line bypass, are rated from 32A to 630A. These can be supplied in SPN (230V) and TPN (400V) AC 50/60Hz variants. Our ATS units are designed to allow safe automatic transfer of loads from a primary supply to a standby generator or secondary power supply.



SPECIFICATION DETAIL

Each ATS comes standard with the following:

- LED status display and keypad – for ATS configuration.
- Lock off actuator for downstream maintenance.
- AC33B utilisation category.
- Generator Stop / Start delay functionality.
- Modbus communication.
- BMS connectivity.
- Aux power supply option 24V DC.
- Incoming isolators & outgoing terminals.
- Volt free status relays, mimic and Modbus terminals for easy connection.
- Single Line No-Break Bypass for maintenance, servicing, and repairs (bypassing the primary supply).

Each ATS is supplied in a light grey (RAL 7035) sheet steel enclosure with removable gland plates, offering up to IP65 protection degree from dust and water ingress.

Applied Standards: EN60947-6-1 PC type, BS EN/IEC 61439-2, BS EN/IEC 60947-3, BS 8519:2020, BS9999:2017.

CATALOGUE NUMBERS

SPN: ATS0322E530 | TPN: ATS0324E530

32A
800mm x 600mm x 300mm - IP65
Max Cable Size 16mm² - Bottom Entry

SPN: ATS0452E530 | TPN: ATS0454E530

45A
800mm x 600mm x 300mm - IP65
Max Cable Size 16mm² - Bottom Entry

SPN: ATS0632E530 | TPN: ATS0634E530

63A
800mm x 600mm x 300mm - IP65
Max Cable Size 35mm² - Bottom Entry

SPN: ATS0802E530 | TPN: ATS0804E530

80A
800mm x 600mm x 300mm - IP65
Max Cable Size 35mm² - Bottom Entry

SPN: ATS1002E530 | TPN: ATS1004E530

100A
1000mm x 600mm x 300mm - IP65
Max Cable Size 50mm² - Bottom Entry

SPN: ATS1252E530 | TPN: ATS1254E530

125A
1000mm x 600mm x 300mm - IP65
Max Cable Size 50mm² - Bottom Entry

SPN: ATS1602E530 | TPN: ATS1604E530

160A
1000mm x 600mm x 300mm - IP65
Max Cable Size 50mm² - Bottom Entry

SPN: ATS2502E530 | TPN: ATS2504E530

250A
1200mm x 800mm x 300mm - IP65
Max Cable Size 95mm² - Bottom Entry

SPN: ATS4002E630 | TPN: ATS4004E630

400A
1600mm x 1000mm x 400mm - IP55
Max Cable Size 240mm² - Top Entry

SPN: ATS6302E630 | TPN: ATS6304E630

630A
1800mm x 1000mm x 400mm - IP55
Max Cable Size 2 x 240mm² - Top Entry

DUAL LINE BYPASS FORM 3 TYPE ATS

This range of life safety form 3 motorised automatic transfer switches with no-break dual line bypass, are rated from 32A to 630A. These can be supplied in SPN (230V) and TPN (400V) AC 50/60Hz variants. Our ATS units are designed to allow safe automatic transfer of loads from a primary supply to a standby generator or secondary power supply.



SPECIFICATION DETAIL

Each ATS comes standard with the following:

- LED status display and keypad – for ATS configuration.
- Lock off actuator for downstream maintenance.
- AC33B utilisation category.
- Generator Stop / Start delay functionality.
- Modbus communication.
- BMS connectivity.
- Aux power supply option 24V DC.
- Incoming isolators & outgoing terminals.
- Volt free status relays, mimic and Modbus terminals for easy connection.
- Dual Line No-Break Bypass for maintenance, servicing, and repairs (bypassing the primary or secondary supply).

Each ATS is supplied in a light grey (RAL 7035) sheet steel enclosure with removable gland plates, offering up to IP65 protection degree from dust and water ingress.

Applied Standards: EN60947-6-1 PC type, BS EN/IEC 61439-2, BS EN/IEC 60947-3, BS 8519:2020, BS9999:2017.

CATALOGUE NUMBERS

SPN: ATS0322E540 | TPN: ATS0324E540

32A

800mm x 600mm x 300mm - IP65
Max Cable Size 16mm² - Bottom Entry

SPN: ATS0452E540 | TPN: ATS0454E540

45A

800mm x 600mm x 300mm - IP65
Max Cable Size 16mm² - Bottom Entry

SPN: ATS0632E540 | TPN: ATS0634E540

63A

1000mm x 800mm x 300mm - IP65
Max Cable Size 35mm² - Bottom Entry

SPN: ATS0802E540 | TPN: ATS0804E540

80A

1000mm x 800mm x 300mm - IP65
Max Cable Size 35mm² - Bottom Entry

SPN: ATS1002E540 | TPN: ATS1004E540

100A

1000mm x 800mm x 300mm - IP65
Max Cable Size 50mm² - Bottom Entry

SPN: ATS1252E540 | TPN: ATS1254E540

125A

1000mm x 800mm x 300mm - IP65
Max Cable Size 50mm² - Bottom Entry

SPN: ATS1602E540 | TPN: ATS1604E540

160A

1200x 1000mm x 300mm - IP55
Max Cable Size 50mm² - Bottom Entry

SPN: ATS2502E640 | TPN: ATS2504E640

250A

1600mm x 1000mm x 400mm - IP55
Max Cable Size 95mm² - Bottom Entry

SPN: ATS4002E640 | TPN: ATS4004E640

400A

1800mm x 1000mm x 400mm - IP55
Max Cable Size 240mm² - Top Entry

SPN: ATS6302E640 | TPN: ATS6304E640

630A

2000mm x 1600mm x 500mm - IP55
Max Cable Size 2 x 240mm² - Top Entry

MIMIC PANELS

Available to support the ATS units, we offer a range of remote status indication panels. These units are normally installed local to the buildings point of entry, allowing for an instant visual status of the ATS.

Each unit is supplied with a brushed Stainless Steel (Grade 304) face plate, that can either be flush mounted to a 6/8way grid switch back box or provided with our surface mounting mild steel IP65 back box. All indication panels are made to meet standards: BS EN 60947-1

CATALOGUE NUMBERS

ATSIPO | STAINLESS STEEL NO BACK BOX

SUITABLE FOR STANDARD ATS

156mm x 156mm x 45mm

2.5mm² Max Cable Size



ATSIPOB0 | STAINLESS STEEL WITH BACK BOX

SUITABLE FOR STANDARD ATS

156mm x 156mm x 45mm

2.5mm² Max Cable Size | IP65 Rated



ATSIPI1 | STAINLESS STEEL NO BACK BOX

SUITABLE FOR SINGLE LINE BYPASS ATS

156mm x 156mm x 45mm

2.5mm² Max Cable Size

ATSIPIB0 | STAINLESS STEEL WITH BACK BOX

SUITABLE FOR SINGLE LINE BYPASS ATS

156mm x 156mm x 45mm

2.5mm² Max Cable Size | IP65 Rated

ATSIPI2 | STAINLESS STEEL NO BACK BOX

SUITABLE FOR DUAL LINE BYPASS ATS

156mm x 156mm x 45mm

2.5mm² Max Cable Size

ATSIPI2B0 | STAINLESS STEEL BACK BOX

SUITABLE FOR DUAL LINE BYPASS ATS

156mm x 156mm x 45mm

2.5mm² Max Cable Size | IP65 Rated



TECHNICAL DATA

Application	Sym	Unit	32A-80A	100A-125A	160A-250A	400A-630A
No. Of Poles			2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4
Rated Working Current	I_e	A	32, 45, 63, 80	100, 125	160, 250	400, 630
Rated Working Voltage	U_e	V	AC400V/415V 50Hz			
Rated Insulation Voltage	U_i	V	690			
Rated Impulse Withstand Voltage	U_{imp}	kV	8			
Utilization Category			AC33B			
Rated Short Time Withstand Current (0.2s)	I_{cw}	kA	10	10	10	25
Rated Short Time Making Capacity	I_{cm}	kA Peak	15	20	30	50
Rated Control Voltage	U_s	V	AC230V 50Hz			
Contact Transfer Time	Seconds		0.6±10%	0.6±10%	1.0±10%	1.5±10%
Transfer Time	Seconds		1.2±10%	1.25±10%	2.1±10%	3.3±10%
Recovery Transfer Time	Seconds		(1.2+Time Delay) ±10%	(1.25+Time Delay) ±10%	(2.1+Time Delay) ±10%	(3.3+Time Delay) ±10%
Power Off Duration	Seconds		(0.6±20%)+(Time Delay ±10%)	(0.6±20%)+(Time Delay ±10%)	(1.0+Time Delay) ±10%	(1.5+Time Delay) ±10%
Operational Cycles	Without Load		8500	8500	7000	3000
	With Load		1500	1500	1000	1000
	Total		10000	10000	8000	4000
Switch Dimension		mm	230x125x130	245x130x122	295x175x175	430x272x228
Weight		kg	2.5	4.3	9	22.5
Terminal Type						

Functionality

Control Voltage	AC230V 50/60Hz
Aux. Power	DC24V
Power Consumption	≤10W
Status Position	3 working positions of 'Main (I) Closing', 'Standby (II) Closing' & 'Double Off (O)'
Operation Mode	Auto Mode, Manual Operation, Control Panel Operation, Remote Operation, Rs485 Communication
Transfer Mode	Auto Transfer, Auto Recovery/Auto Transfer, No Auto Recovery
Display Mode	LED/LCD
Source 1 Monitoring	Under voltage, over voltage, power loss monitoring (A, B & C phase)
Source 2 Monitoring	Under voltage, over voltage, power loss monitoring (A, B & C phase)
Generator Control	Yes (Gen Start and Stop)
Fire-Linkage Control	One group voltage-free signal to cut off both power, and 1 group voltage-free feedback
Frequency Monitoring	±20% Adjustable
Generator Test	Yes
Transfer Delay Timer (s)	Default 5s, 0~180s (Adjustable)
Recovery Delay Timer (s)	Default 5s, 0~180s (Adjustable)
Under Voltage Range	Default 187V, 154~198V Adjustable
Over Voltage Range	Default 263V, 242~330V Adjustable
Source Priority	Source 1 Priority (Default), Source 2 Priority, No Priority
Rs485 Communication	Yes

CONTACT US

Cannot find what your looking for in this brochure? Contact our ATS technical team and discuss your requirements with us today.

+44 (0)1543 375 541 | sales@craigandderricott.com | www.craigandderricott.com



Raj Lagah

Area 2 & 4

07525 129798

rlagah@craigandderricott.com



Dave Holland

Area 3

07525 129797

dholland@craigandderricott.com



Jon Brock

Area 5

07719 068346

jbrock@craigandderricott.com



Lyndsey Pryce

Area 6

07973 971923

lpryce@craigandderricott.com



Jen Bratt

Area 7

07701 305147

jenbratt@craigandderricott.com



Adrian Martin

Area 8

07944 109509

amartin@craigandderricott.com





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WWW.CRAIGANDDERRICOTT.COM



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