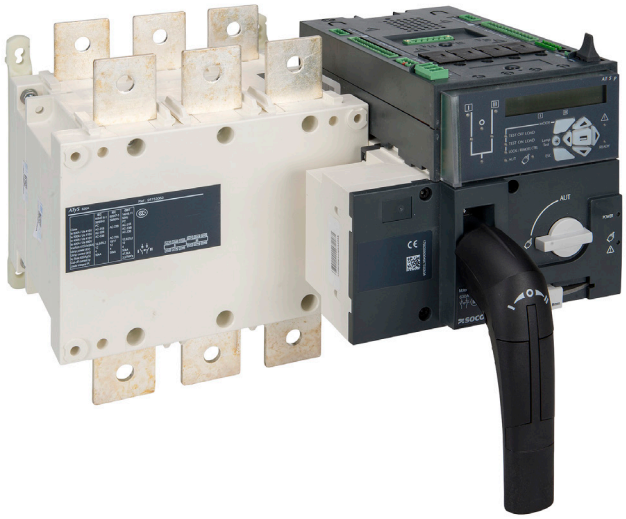
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Socomec ATyS Automatic Transfer Switch - ATyS p, Advanced Integrated Logic, 4 Pole 160A

AUTOMATIC TRANSFER SWITCHES



Component type	Switch disconnector
Range	ATyS Automatic
Model	N/A
Product status	Existing

The ATyS g and ATyS p are a range of 125A to 3200A automatic transfer switches enabling on-load changeover and monitoring between separate three-phase or single-phase sources, configured via potentiometers and DIP switches (ATyS g) or an integrated keypad and LCD display (ATyS p), designed for mains-mains and mains-genset applications. Optional plug-in communication and I/O modules available.

ELECTRICAL	**Rated operating voltage Ue**	800 V
	Max. rated operation voltage Ue AC	800 V
	Rated permanent current at AC-21, 400 V	160 A
	Rated control supply voltage Us at AC 50HZ	400-690 V
	Rated uninterrupted current Iu	160 A
	Number of poles	4
	Rated operation power at AC-23, 400 V	80 kW
	Rated short-time withstand current Icw	7 kA
	Rated insulation voltage Ui	800 V
	Type of control element	Other
	Type of electrical connection of main circuit	Bolt connection
	Rated operating voltage	400-690 V
	Rated permanent current at AC-23, 400 V	160 A
	Switching power at 400 V	1280 kW
	Conditioned rated short-circuit current Iq	100 kA
	Number of auxiliary contacts as normally closed contact	0
	Number of auxiliary contacts as normally open contact	3
	Number of auxiliary contacts as change-over contact	0
	Motor drive optional	No
	Motor drive integrated	Yes
	Voltage release optional	No
CONSTRUCTION	**Device construction**	Built-in device fixed built-in technique
	Colour control element	Other
	Degree of protection (IP), front side	IP20

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AUTOMATIC TRANSFER SWITCHES

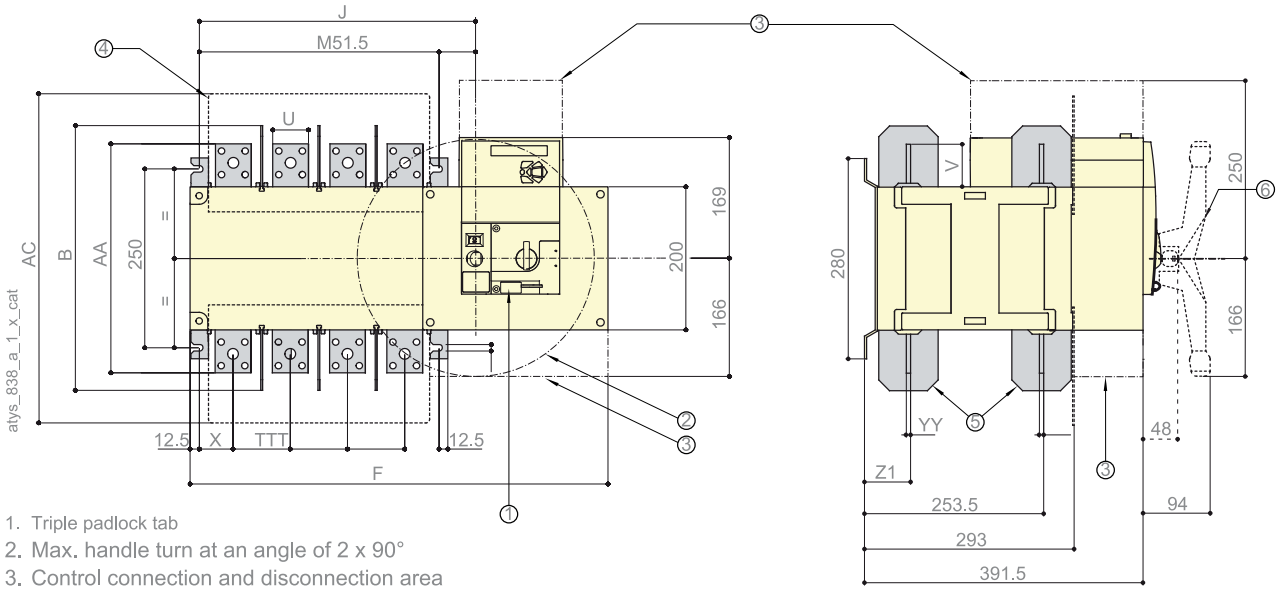
CONSTRUCTION	Version as main switch	Yes
	Version as maintenance-/service switch	Yes
	Version as safety switch	Yes
	Version as emergency stop installation	No
	Version as reversing switch	Yes
	Number of switches	2
	Suitable for front mounting 4-hole	No
	Suitable for front mounting centre	No
	Suitable for distribution board installation	No
	Suitable for intermediate mounting	Yes
	Interlockable	Yes
MECHANICAL	Padlock locking	Yes
DIMENSIONS	Height	184 mm
	Width	334 mm
	Depth	244 mm
	Weight	11.3 kg

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Socomec ATyS Automatic Transfer Switch - ATyS p, Advanced Integrated Logic, 4 Pole 160A

AUTOMATIC TRANSFER SWITCHES

DIMENSIONAL DIAGRAM



1. Triple padlock tab
2. Max. handle turn at an angle of 2 x 90°
3. Control connection and disconnection area
4. Terminal screens
5. Inter-phase screen
6. Handle

	Overall Dimensions	Terminal Shrouds	Switch Body					Switch Mounting		Connection						
Rating (A)/ Frame Size	B	AC	F 3p.	F 4p.	J 3p.	J 4p.	J1	M 3p.	M. 4p.	T	U	V	X	Y	Z1	AA
125 / B3	370	461	504	584	306.5	386.5	255	335	80	50	60.5	47.5	7	66.5	321	3.5
160 / B3	370	461	504	584	306.5	386.5	255	335	80	50	60.5	47.5	7	66.5	321	3.5
200 / B3	370	461	504	584	306.5	386.5	255	335	80	60	65	47.5	7	66.5	330	3.5
250 / B4	380	531	596	716	398.5	518.5	347	467	120	90	44	53	8	67.5	288	3.5
315 / B4	345	288	328	378	152	195	245	160	210	50	35	35	11	33	33	3.5
400 / B4	345	288	328	378	152	195	245	160	210	50	35	35	11	33	33	3.5
500 / B5	394	402	377	437	221	244	304	210	270	65	32	50	14	42.5	37.5	5
630 / B5	394	402	377	437	221	244	304	210	270	65	45	50	13	42.5	37.5	5

RELATED PRODUCTS

ACCESSORY

Item No: 15094012

Required: No

Description: Socomec ATyS/BCO/SCO/SLB Term. Screen, suits ATyS/BCO/SCO 4P 125 - 200A and SLB 8P 125 - 160A

Item No: 15290012

Required: No

Description: Socomec ATyS Protective Cutout Surround, suits ATyS r 125 - 630A

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RELATED PRODUCTS

ACCESSORY

Item No: 15390012
Required: No
Description: Socomec ATyS Protective Cutout Surround, suits ATyS g/p 125 - 630A



Item No: 15593012
Required: No
Description: Socomec ATyS Voltage Sensing Kit, suits ATyS g/p, 3 Pole 125 - 200A



Item No: 15594012
Required: No
Description: Socomec ATyS Voltage Sensing Kit, suits ATyS g/p, 4 Pole 125 - 200A



Item No: 15990502
Required: No
Description: Socomec ATyS Auxiliary Contact 1 N.O + 1 N.C, 125 - 630A



Item No: 15992009
Required: No
Description: Socomec ATyS M/ATyS RJ45 Cable, 3m length, suits ATyS D10/20 Display



Item No: 15994001
Required: No
Description: Socomec ATyS M/ATyS Dual Power Supply, 230V AC, suits ATyS dM 40 - 125A and ATyS r 125 - 1600A

Item No: 26944014
Required: No
Description: Socomec SLB Terminal Shroud 4P, suits SCO 125 - 200/SLB 125 -160A (QTY 1)



Item No: 29980034
Required: No
Description: Socomec SCO/SLB Inter-phase Barrier 4P, suits SCO 125 - 200A and SLB 125 - 160A

Item No: 41090019
Required: No
Description: Socomec ATyS/BCO/SCO Bridging Bar 1P, 125 - 200A (QTY 1)





Item No: 48250090
Required: No
Description: Socomec Diris A-30/41/ ATyS P 2 Pulse Outputs Plugin Module



Item No: 48250092
Required: No
Description: Socomec Diris A-30/41/ ATyS P RS485 Modbus Communication Plugin Module



Item No: 48250093
Required: No
Description: Socomec Diris A-30/41/ ATyS P 2 Analogue Outputs 0/4-20mA Plugin Module



Item No: 48250203
Required: No
Description: Socomec Diris A-30/41/ ATyS P Ethernet (Modbus TCP) Communication Plugin Module



Item No: 48250204
Required: No
Description: Socomec Diris A-30/41 RS485 Modbus to Ethernet (Modbus TCP) Gateway Plugin module



Item No: 95095020
Required: No
Description: Socomec ATyS Motor Module, 125 - 200A



Item No: 95792001
Required: No
Description: Socomec ATyS Electronic module, suits ATyS p



Item No: 95992010
Required: No
Description: Socomec ATyS M/ATyS Remote Display - D10, suits ATyS pM/ATyS g, 96 x 96mm Frame



Item No: 95992020
Required: No
Description: Socomec ATyS M/ATyS Remote Display and Interface - D20, suits ATyS pM/ ATyS p, 96 x 96mm Frame