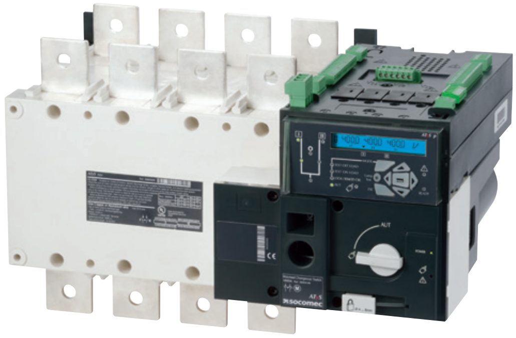
ATyS

Automatic and remote transfer switching equipment
from 125 A to 3200 A



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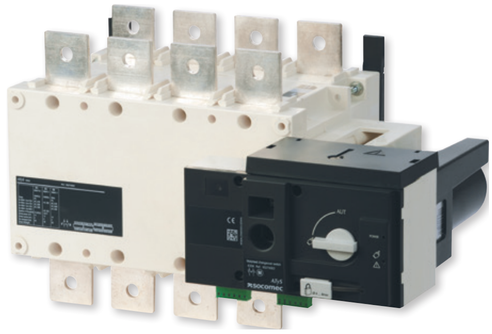
ATyS p
I-0-II 4P



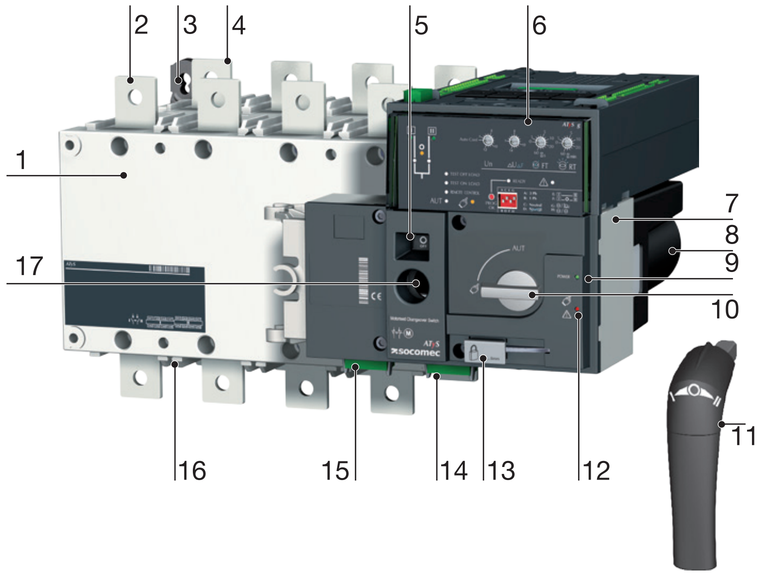
ATyS r
I-0-II 4P

Function

ATyS are three-phase motorised transfer switches with positive break indication. They allow transfer, under load, charging, using voltage-free dry contacts, of two three-phase power sources, coming either from an external automated system using pulse logic or from an inverter for very basic operation. In automatic mode, the most advanced version can monitor two power sources and the switch between them under load, based on the settings configured using push buttons and an LCD screen. This equipment is designed for use in low voltage power systems where an interruption of the load supply is acceptable during switching.

Description

This rapid transfer switch incorporates:
1. Power section: mechanically interlocking switch
2. Front: switch 1 poles (3 or 4 poles)
3. Fixing lugs for mounting the ATyS on a back plate
4. Rear: switch 2 poles (3 or 4 poles)
5. Switch position indication window: I (On) – O (Off) – II (On)
6. ATS control module with built-in dual power supply
7. Motorized control unit
8. Motor casing
9. Green LED indicator: power supply
10. Auto / Manual mode selector
11. Emergency manual operation handle
12. Red LED Indicator: Product unavailable / Manual mode / Fault
13. Padlocking device (up to 3 padlocks, diameter 4 – 8 mm) Lockout device for all commands in zero position using a RONIS EL11 AP padlock
14. Output contacts x 4 (Position indication I-O-II and product availability indication)
15. Input contacts
16. Slots for terminal shrouds
17. Location of emergency manual operation handle (only accessible in manual mode)



References

ATyS

Description	No. of poles	Reference	Aux power supply	Changeover switch type	Application
ATyS r	3 P	9523 3***	230 VAC	Remotely operated transfer switch (RTS)	Remotely operated transfer switch
	4 P	9523 4***			
ATyS d	3 P	9533 3***			Dual power supply
	4 P	9533 4***			
ATyS g	3 P	9553 3***		Automatic transfer switch (ATS)	Automated system used to manage network/network or network/genset applications, RS485 option
	4 P	9553 4***			
ATyS p	3 P	9573 3***			Energy management functions communication options
	4 P	9573 4***			

*** - corresponds to two characters of a reference, based on the rating of the changeover switch*

Accessories required for implementation of the IEC/EN 61439 standard

Terminal shrouds

Use

IP2X protection against direct contact with terminals or connecting parts.

Advantages

Perforations allow remote thermographic inspection without the need to remove the shrouding.

Rating (A)	Frame size	No. of poles	Position	Reference
125 … 200	B3	3 P	top / bottom / front (I) / rear (II)	2694 3014[1][2]
125 … 200	B3	4 P	top / bottom / front (I) / rear (II)	2694 4014[1][2]
250 … 400	B4	3 P	top / bottom / front (I) / rear (II)	2694 3021[1][2]
250 … 400	B4	4 P	top / bottom / front (I) / rear (II)	2694 4021[1][2]
500 … 630	B5	3 P	top / bottom / front (I) / rear (II)	2694 3051[1][2]
500 … 630	B5	4 P	top / bottom / front (I) / rear (II)	2694 4051[1][2]

acces_206_a_2_cat

(1) To completely shroud front, rear, top and bottom, order 4x the reference; when a bridging bar is fitted, order 3x the reference.
(2) To shroud front switch top and bottom, order 2x the reference.

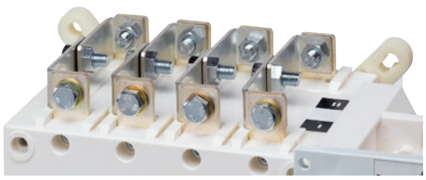
Bridging bars

Use

Bridging between upstream or downstream terminals.

Rating (A)	Frame size	Cross-section (mm)	Reference [1]
125 … 200	B3	20 x 2.5	4109 0019
250	B4	25 x 2.5	4109 0025
315 … 400	B4	32 x 5	4109 0039
500	B5	32 x 5	4109 0050
630	B5	50 x 5	4109 0063
800 … 1000	B6	50 x 6	4109 0080
1250	B6	60 x 8	4109 0120
1600	B7	90 x 10	4109 0160

(1) 3-pole device, order 3 bridging bars; 4-pole device, order 4.



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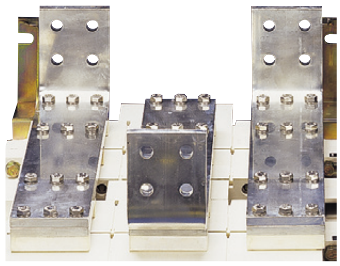

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Door frame

Use

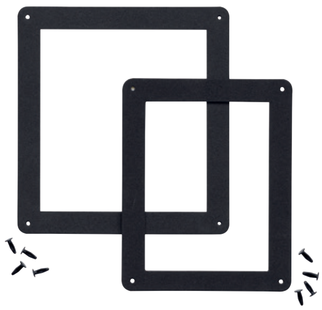
Finishes the opening on the cabinet door, for flush control.

For ATyS

Rating (A)	Frame size	Reference
125 … 630	B3 … B5	1529 0012
800 … 3200	B6 … B8	1529 0080

For ATyS d, t, g and p

Rating (A)	Frame size	Reference
125 … 630	B3 … B5	1539 0012
800 … 3200	B6 … B8	1539 0080



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Characteristics according to IEC 60947-3 and IEC 60947-6-1

From 125 A to 630 A

Thermal current I_{th} at 40°C (A)	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
Frame size	**B3**	**B3**	**B3**	**B4**	**B4**	**B4**	**B5**	**B5**
Rated insulation voltage U_i (V) (power supply circuit)	800	800	800	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV) (power supply circuit)	8	8	8	12	12	12	12	12
Rated insulation voltage U_i (V) (control circuit)	300	300	300	300	300	300	300	300
Rated impulse withstand voltage U_{imp} (kV) (control circuit)	4	4	4	4	4	4	4	4

Rated operational currents I_e (A) as per IEC 60947-6-1

Nominal voltage	Utilisation category	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
415 VAC	AC-31 B	125	160	200	250	315	400	500	630
415 VAC	AC-32 B				200	315	400	500	500
415 VAC	AC-33 B				200	200	200	400	400

Rated operational currents I_e (A) as per IEC 60947-3

Nominal voltage	Utilisation category	A/B[1]	A/B[1]	A/B[1]	A/B[1]	A/B[1]	A/B[1]	A/B[1]	A/B[1]
415 VAC	AC-21 A / AC-21 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
415 VAC	AC-22 A / AC-22 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
415 VAC	AC-23 A / AC-23 B	125/125	160/160	200/200	200/200	315/315	400/400	500/500	500 /630
500 VAC	AC-21 A / AC-21 B	125/125	160/160	200/200	250/250	315/315	400/400	500/500	630/630
500 VAC	AC-22 A / AC-22 B	125/125	160/160	200/200	200/250	200/315	200/400	500/500	500/500
500 VAC	AC-23 A / AC-23 B	80/80	80/80	80/80	200/200	200/200	200/200	400/400	400/400
690 VAC [3]	AC-21 A / AC-21 B	125/125	160/160	200/200	200/200	200/200	200/200	500/500	500/500
690 VAC [3]	AC-22 A / AC-22 B	125/125	125/125	125/125	160/160	160/160	160/160	400/400	400/400
690 VAC [3]	AC-23 A / AC-23 B	63/80	63/80	63/80	125/125	125/125	125/125	400/400	400/400
220 VDC	DC-21 A / DC-21 B	125/125	160/160	200/200	250/250	250/250	250/250	500/500	630/630
220 VDC	DC-22 A / DC-22 B	125/125	160/160	200/200	250/250	250/250	250/250	500/500	630/630
220 VDC	DC-23 A / DC-23 B	125/125	125/125	125/125	200/200	200/200	200/200	500/500	630/630
440 VDC [2]	DC-21 A / DC-21 B	125/125	125/125	125/125	200/200	200/200	200/200	500/500	630/630
440 VDC [2]	DC-22 A / DC-22 B	125/125	125/125	125/125	200/200	200/200	200/200	500/500	630/630
440 VDC [2]	DC-23 A / DC-23 B	125/125	125/125	125/125	200/200	200/200	200/200	500/500	630/630

Rated conditional short-circuit current with gG DIN fuse, as per IEC 60947-3

	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
Prospective short-circuit current with 415 VAC fuse (kA rms)	100	100	50	50	50	50	50	50
Prospective short-circuit current with 690 VAC fuse (kA rms)				50	50	50	50	50
Associated fuse rating (A)	125	160	200	250	315	400	500	630

Short-circuit capability without protection as per IEC 60947-3

	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
Rated short-term withstand current 0.3 s I_{cw} at 415 VAC (kA rms)	12	12	12	15 [4]	15 [4]	15 [4]	17 [4]	17 [4]
Rated short-term withstand current 1 s I_{cw} at 415 VAC (kA rms)	7	7	7	8 [4]	8 [4]	8 [4]	11 [4]	10 [4]
Rated peak withstand current at 415 VAC (kA peak)	20	20	20	30	30	30	45	45

Connection

	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
Maximum Cu cable cross-section as per IEC 60947-1 (mm²)	35	35	50	95	120	185	2 x 95	2 x 120
Recommended Cu busbar cross-section (mm²)							2 x 32 x 5	2 x 40 x 5
Maximum Cu cable cross-section (mm²)	50	95	120	150	240	240	2 x 185	2 x 300
Maximum Cu busbar width (mm)	25	25	25	32	32	32	50	50
Min/max tightening torque (Nm)	9/13	9/13	9/13	20/26	20/26	20/26	40/45	40/45
Dissipated power (W/pole)	1.9	3.2	4.1	5.9	7.8	15.1	17	32.4

Switching time (rated voltage, after receiving the command)

	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
Transfer time I-II or II-I (s)	0.85	0.85	0.85	0.9	0.9	0.9	0.95	0.95
I-0 or II-0 (s)	0.55	0.55	0.55	0.5	0.5	0.5	0.55	0.55
Minimum contact transfer time (I-II “black-out”)	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4

Power supply

	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
Min/max auxiliary power supply (VAC)	166/332	166/332	166/332	166/332	166/332	166/332	166/332	166/332

Electric command power demand

	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
Inrush/rated power (VA) - ATyS r	184/92	184/92	184/92	276/115	276/115	276/115	276/150	276/150
Inrush/rated power (VA) - ATyS g, p	206/114	206/114	206/114	298/137	298/137	298/137	298/172	298/172

Mechanical characteristics

	125 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A
Durability (number of operating cycles)	10000	10000	10000	8000	8000	8000	5000	5000
Weight ATyS r 3 P / 4 P (kg)	5.7 / 6.9	5.7 / 6.9	5.7 / 6.9	6.6 / 7.4	6.7 / 7.8	6.7 / 7.8	11.4 / 13.3	11.9 / 14.0
Weight ATyS g, p 3 P / 4 P (kg)	6.8 / 8.0	6.8 / 8.0	6.8 / 8.0	7.7 / 8.5	7.8 / 8.9	7.8 / 8.9	12.5 / 14.4	13.0 / 15.1

(1) Category with index A = frequent operation / Category with index B = infrequent operation.

(2) 3-pole device with 2 '+' poles in series and 1 '–' pole. 4-pole device with 2 poles in series per polarity.

(3) Interphase barriers must be fitted on the products.

(4) Values given at 690 VAC.

From 800 A to 3200 A

Thermal current I_{th} at 40°C	800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A
Frame size	**B6**	**B6**	**B6**	**B7**	**B8**	**B8**	**B8**
Rated insulation voltage U_i (V) (power supply circuit)	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV) (power supply circuit)	12	12	12	12	12	12	12
Rated insulation voltage U_i (V) (control circuit)	300	300	300	300	300	300	300
Rated impulse withstand voltage U_{imp} (kV) (control circuit)	4	4	4	4	4	4	4

Rated operational currents I_e (A) as per IEC 60947-6-1

Nominal voltage	Utilisation category							
415 VAC	AC-31 B	800	1000	1250	1600	2000	2500	3200
415 VAC	AC-32 B	800	1000	1250	1250	2000	2000	2000
415 VAC	AC-33 B	800	1000	1000	1000	1250	1250	1250

Rated operational currents I_e (A) as per IEC 60947-3

Nominal voltage	Utilisation category	A/B(1)	A/B(1)	A/B(1)	A/B(1)	A/B(1)	A/B(1)	A/B(1)
415 VAC	AC-21 A / AC-21 B	800/800	1000/1000	1250/1250	1600/1600	-/2000	-/2500	-/3200
415 VAC	AC-22 A / AC-22 B	800/800	1000/1000	1250/1250	1600/1600	-/2000	-/2500	-/3200
415 VAC	AC-23 A / AC-23 B	800/800	1000/1000	1250/1250	1250/1250	-/1600	-/1600	-/1600
500 VAC	AC-21 A / AC-21 B	800/800	1000/1000	1250/1250	1600/1600	-/2000	-/2000	-/2000
500 VAC	AC-22 A / AC-22 B	630/630	800/800	1000/1000	1600/1600			
500 VAC	AC-23 A / AC-23 B	630/630	630/630	800/800	1000/1000			
690 VAC (3)	AC-21 A / AC-21 B	800/800	1000/1000	1250/1250	1600/1600	-/2000	-/2000	-/2000
690 VAC (3)	AC-22 A / AC-22 B	630/630	800/800	1000/1000	1000/1000			
690 VAC (3)	AC-23 A / AC-23 B	630/630	630/630	800/800	800/800			
220 VDC	DC-21 A / DC-21 B	800/800	1000/1000	1250/1250	1250/1250			
220 VDC	DC-22 A / DC-22 B	800/800	1000/1000	1250/1250	1250/1250			
220 VDC	DC-23 A / DC-23 B	800/800	1000/1000	1250/1250	1250/1250			
440 VDC (2)	DC-21 A / DC-21 B	800/800	1000/1000	1250/1250	1250/1250			
440 VDC (2)	DC-22 A / DC-22 B	800/800	1000/1000	1250/1250	1250/1250			
440 VDC (2)	DC-23 A / DC-23 B	800/800	1000/1000	1250/1250	1250/1250			

Rated conditional short-circuit current with gG DIN fuse, as per IEC 60947-3

Prospective short-circuit current with 415 VAC fuse (kA rms)	50	50	100	100			
Prospective short-circuit current with 690 VAC fuse (kA rms)	50	50	50				
Associated fuse rating (A)	800	1000	1250	2x800			

Short-circuit capability without protection as per IEC 60947-3

Rated short-term withstand current 0.3 s I_{cw} at 415 VAC (kA rms)	64	64	64	78	78	78	78
Rated short-term withstand current 1 s I_{cw} at 415 VAC (kA rms)	35	35	35	50	50	50	50
Rated peak withstand current at 415 VAC (kA peak)	55	55	80	110	120	120	120

Connection

Maximum Cu cable cross-section as per IEC 60947-1 (mm²)	2 x 185						
Recommended Cu busbar cross-section (mm²)	2 x 50 x 5	2 x 63 x 5	2 x 60 x7	2 x 100 x 5	3 x 100 x 5	2 x 100 x 10	3 x 100 x 10
Maximum Cu cable cross-section (mm²)	4 x 185	4 x 185	4 x 185	6 x 185			
Maximum Cu busbar width (mm)	63	63	63	100	100	100	100
Min/max tightening torque (Nm)	9/13	9/13	20/26	40/45	40/45	40/45	40/45
Dissipated power (W/pole)	7	46.9	93.3	122	178	255	330

Switching time (rated voltage, after receiving the command)

Transfer time I-II or II-I (s)	2.8	2.8	2.8	2.9	2.8	2.8	2.8
I-0 or II-0 (s)	1.4	1.4	1.4	1.4	1.8	1.8	1.8
Minimum contact transfer time (I-II “black-out”)	1.4	1.4	1.4	1.5	1	1	1

Power supply

Min/max auxiliary power supply (VAC)	166/332	166/332	166/332	166/332	166/332	166/332	166/332

Electric command power demand

Inrush/rated power (VA) - ATyS r	460/184	460/184	460/184	460/230	812/322	812/322	812/322
Inrush/rated power (VA) - ATyS g, p	482/206	482/206	482/206	482/252	834/344	834/344	834/344

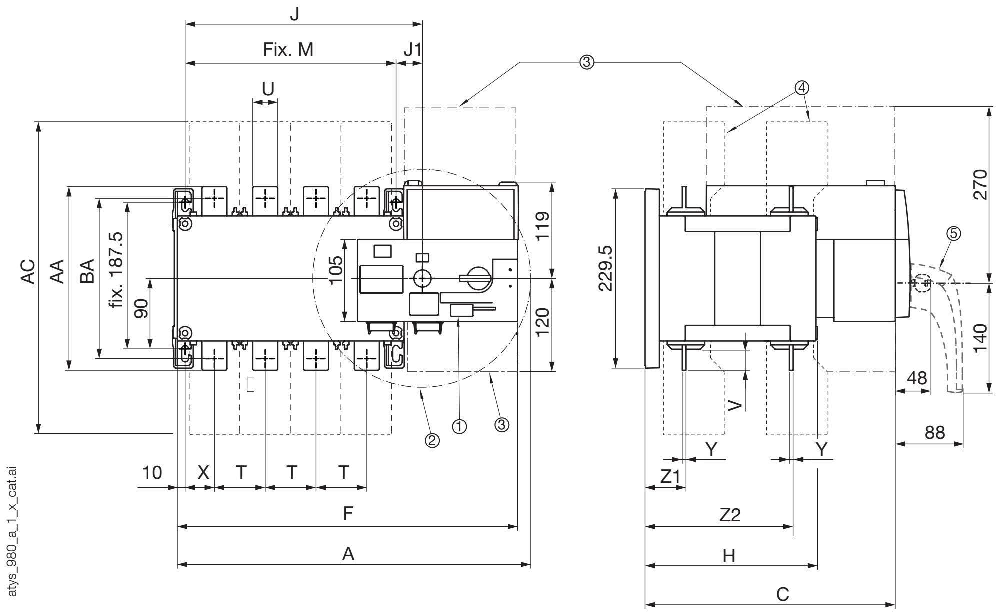
Mechanical characteristics

Durability (number of operating cycles)	4000	4000	4000	3000	3000	3000	3000
Weight ATyS r 3 P / 4 P (kg)	27.9 / 32.2	28.4 / 32.9	28.9 / 33.6	33.1 / 39.4	50.7 / 61.6	50.7 / 61.6	61.0 / 75.3
Weight ATyS g, p 3 P / 4 P (kg)	29.0 / 33.3	29.5 / 34.0	30.0 / 34.7	34.2 / 40.5	51.8 / 62.7	51.8 / 62.7	62.1 / 76.4

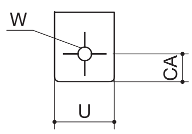
(1) Category with index A = frequent operation / Category with index B = infrequent operation.
(2) 3-pole device with 2 '+' poles in series and 1 '–' pole. 4-pole device with 2 poles in series per polarity.
(3) Interphase barriers must be fitted on the products.
(4) Values given at 690 VAC.

Dimensions

125 A to 630 A / B3 to B5

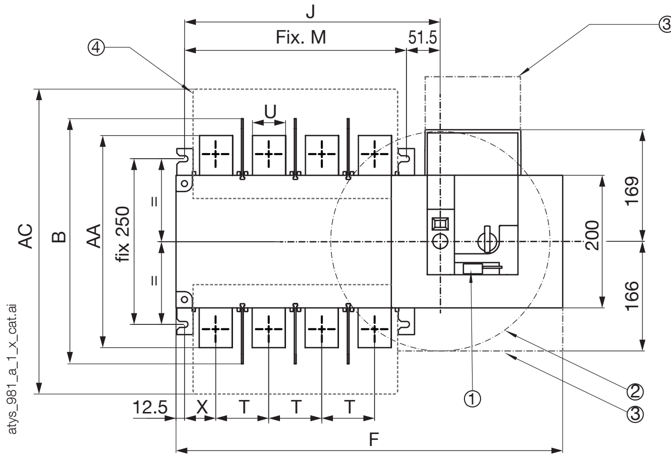


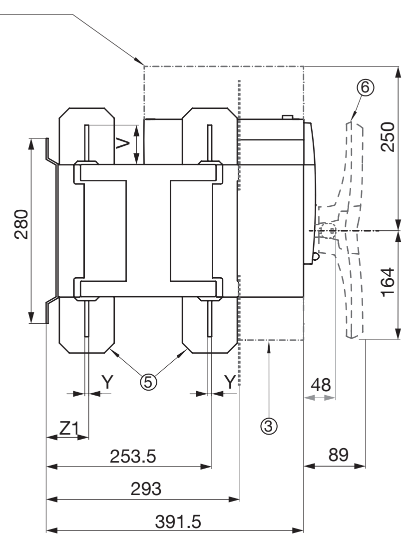
1. Triple padlock tab
2. Max. handle turn, operating angle 2 x 90°
3. Command connection and disconnection working area
4. Terminal separations
5. Removable emergency handle



Rating (A) / Frame size	Overall dimensions			Terminal shrouds	Switch body						Switch mounting		Connection												
	A 3p.	A 4p.	C	AC	F 3p.	F 4p.	H	J 3p.	J 4p.	J1	M 3p.	M 4p.	T	U	V	W	X 3p.	X 4p.	Y	Z1	Z2	AA	BA	CA
125 / B3	304	334	244	233	286.5	317	151	154	184	34	120	250	36	20	25	9	28	22	3.5	38	134	135	115	10
160 / B3	304	334	244	233	286.5	317	151	154	184	34	120	250	36	20	25	9	28	22	3.5	38	134	135	115	10
200 / B3	304	334	244	233	286.5	317	151	154	184	34	120	250	36	20	25	9	28	22	3.5	38	134	135	115	10
250 / B4	345	395	244	288	328	378	152	195	245	35	160	210	50	25	30	11	33	33	3.5	39.5	133.5	160	130	15
315 / B4	345	395	244	288	328	378	152	195	245	35	160	210	50	35	35	11	33	33	3.5	39.5	133.5	160	130	15
400 / B4	345	395	244	288	328	378	152	195	245	35	160	210	50	35	35	11	33	33	3.5	39.5	133.5	170	140	15
500 / B5	394	454	321	402	377	437	221	244	304	34	210	270	65	32	50	14	42.5	37.5	5	53	190	260	220	20
630 / B5	394	454	321	402	377	437	221	244	304	34	210	270	65	45	50	13	42.5	37.5	5	53	190	260	220	20

800 A to 1600 A / B6 to B7

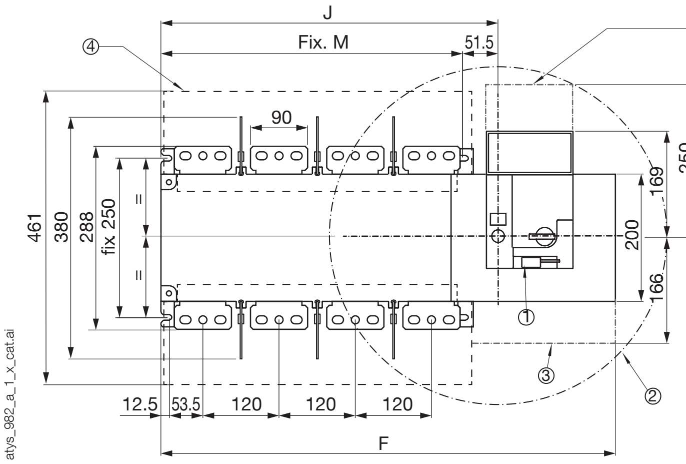


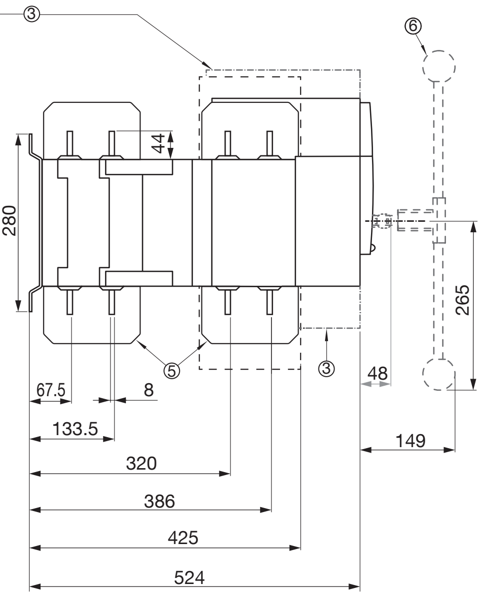


1. Triple padlock tab
2. Max. handle turn, operating angle 2 x 90°
3. Command connection and disconnection working area
4. Terminal shrouding
5. Terminal separations
6. Removable emergency handle

Rating (A) / Frame size	Overall dimensions	Terminal shrouds	Switch body				Switch mounting		Connection						
	B	AC	F 3p.	F 4p.	J 3p.	J 4p.	M 3p.	M 4p.	T	U	V	X	Y	Z1	AA
800 / B6	370	461	504	584	307	387	255	335	80	50	60.5	47.5	7	66.5	321
1000 / B6	370	461	504	584	307	387	255	335	80	50	60.5	47.5	7	66.5	321
1250 / B6	370	461	504	584	307	387	255	335	80	60	65	47.5	7	66.5	330
1600/B7	380	531	596	716	399	519	347	467	120	90	44	53	8	67.5	288

2000 A to 3200 A / B8





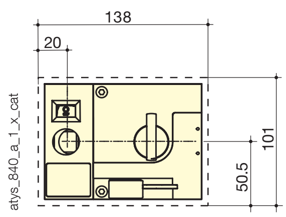
1. Triple padlock tab
2. Max. handle turn, operating angle 2 x 90°
3. Command connection and disconnection working area
4. Terminal shrouding
5. Terminal separations
6. Removable emergency handle

Rating (A)	Switch body				Switch mounting	
	F 3p.	F 4p.	J 3p.	J 4p.	M 3p.	M 4p.
2000 … 3200	596	716	398.5	518.5	347	467

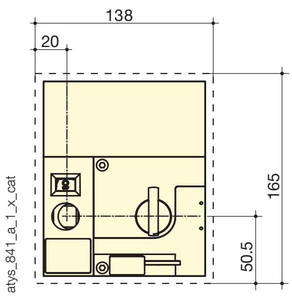
Door opening

125 A to 630 A / B3 to B5

ATyS r

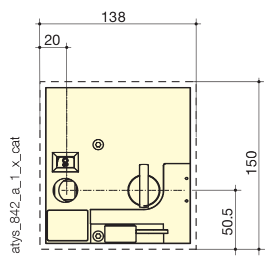


ATyS g, p

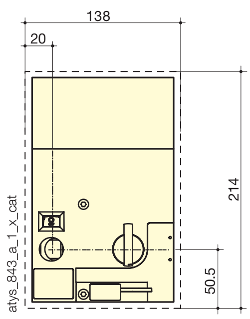


800 A to 1600 A / B6 to B7

ATyS r

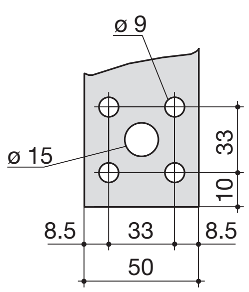


ATyS g, p

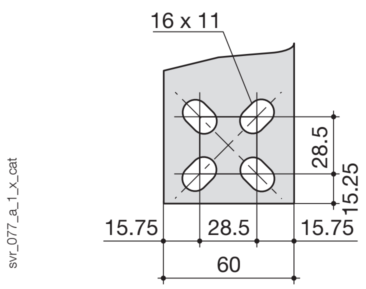


Connection terminals

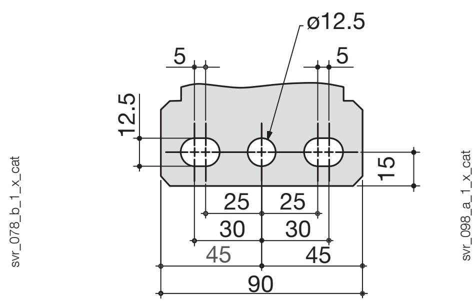
800 A to 1000 A / B6



1250 A / B6



1600 A to 3200 A / B7 to B8



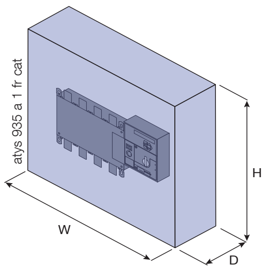
ATyS

Automatic and remote transfer switching equipment

from 125 A to 3200 A

Functional unit

The data below apply for:



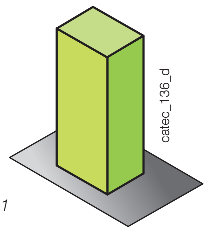


Fig. 1
Box

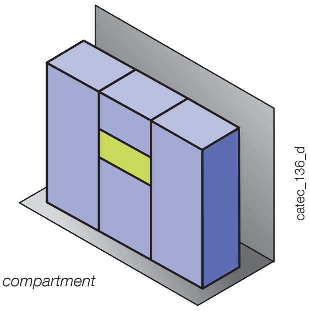
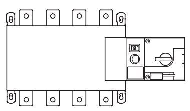
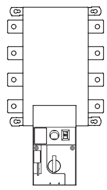
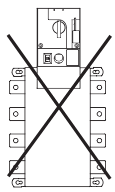
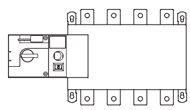


Fig. 2
Cabinet compartment

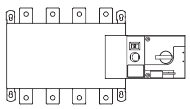
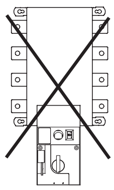
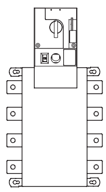
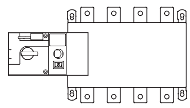
Rating (A)	H (mm)	W (mm)	D (mm)
125 … 200	400	500	320
250 … 400	400	500	320
500 … 630	600	500	320
800 … 3200	800	800	600

Mounting orientation

125 A to 630 A

			
Recommended	OK	Not permitted	OK

800 A to 3200 A

			
Recommended	Not permitted	OK	OK

ATyS-ul_013 … 014_a_1_x_cat

Rated operational currents I_e (A)

Horizontal mounting

Ambient temperature (°C)	25°C - 35°C		40°C		45°C		50°C	
	IP ≤ 31	IP > 31	IP ≤ 31	IP > 31	IP ≤ 31	IP > 31	IP ≤ 31	IP > 31
Rating (A)								
125	125	113	119	108	113	102	107	97
160	160	145	152	138	145	131	138	125
200	200	181	191	173	182	165	172	156
250	250	227	238	216	227	206	215	195
315	300	272	286	260	273	248	258	234
400	370	336	353	320	336	305	319	290
500	470	427	449	408	427	388	405	368
630	500	454	477	433	455	413	431	391
800	800	727	764	694	728	661	690	627
1000	900	818	860	781	819	744	776	705
1250	950	863	908	825	864	785	820	745
1600	1375	1250	1314	1194	1251	1137	1186	1078
2000	2000	1818	1911	1737	1820	1654	1726	1569
2500	2250	2045	2150	1954	2048	1861	1942	1765
3200	2700	2454	2580	2345	2457	2233	2330	2118

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Rated operational currents I_e (A) (continued)

Vertical mounting

Ambient temperature (°C)	25°C - 35°C		40°C		45°C		50°C	
	IP ≤ 31	IP > 31	IP ≤ 31	IP > 31	IP ≤ 31	IP > 31	IP ≤ 31	IP > 31
Rating (A)								
125	125	113	119	108	113	102	107	97
160	150	136	143	130	136	123	129	117
200	180	163	172	156	163	148	155	140
250	250	227	238	216	227	206	215	195
315	290	263	277	251	263	239	250	227
400	330	300	315	286	300	272	284	258
500	450	409	430	390	409	371	388	352
630	500	454	477	433	455	413	431	391
800	750	681	716	650	682	620	647	588
1000	850	772	812	738	773	702	733	666
1250	900	818	860	781	819	744	776	705
1600	1300	1181	1242	1129	1183	1075	1122	1020
2000	2000	1818	1911	1737	1820	1654	1726	1569
2500	2200	2000	2102	1910	2002	1820	1899	1726
3200	2500	2272	2389	2171	2275	2068	2158	1961

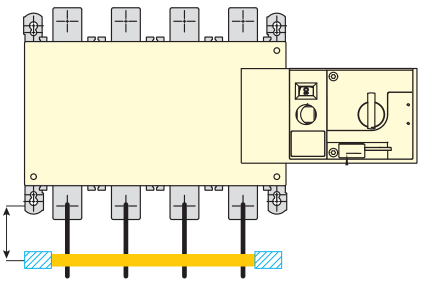
Power dissipation

Rating (A)	125	160	200	250	315	400	500	630
Resistance (mΩ/pole)	0.12	0.13	0.10	0.09	0.08	0.09	0.07	0.08
Dissipated power (W/pole)	1.90	3.20	4.10	5.90	7.80	15.11	17.00	32.40

Rating (A)	800	1000	1250	1600	2000	2500	3200
Resistance (mΩ/pole)	0.07	0.05	0.06	0.05	0.04	0.04	0.03
Dissipated power (W/pole)	41.7	46.9	93.3	122	178	255	330

Connection

Ratings (A)	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3200
Recommended Cu cable cross-section (mm²)	50	70	95	150	185	240	2x150	2x185	2x240	4x150	4x185	4x240	8x150	8x185	8x240
Maximum Cu cable cross-section (mm²)	50	95	120	150	240	240	2x185	2x300	2x300	4x185	4x185	6x185			
Recommended rigid Cu bar (mm²)	-	-	-	-	-	-	2x32x5	2x40x5	2x50x5	2x63x5	2x60x7	2x100x5	2x100x10	2x100x10	3x100x10
Recommended flexible Cu bar (mm²)	20x2	20x2	20x2	20x3	32x5	32x5	32x6	32x8	10x50x1	10x50x1	63x10x1	100x10x1	-	-	-
Flexible Cu bar - max width (mm)	25	25	25	32	32	32	50	50	63	63	63	100	100	100	100



Electromagnetic compatibility and tightening torques

Refer to the product manual.

Clamping

Cables must be clamped and can be done by strand or individually.

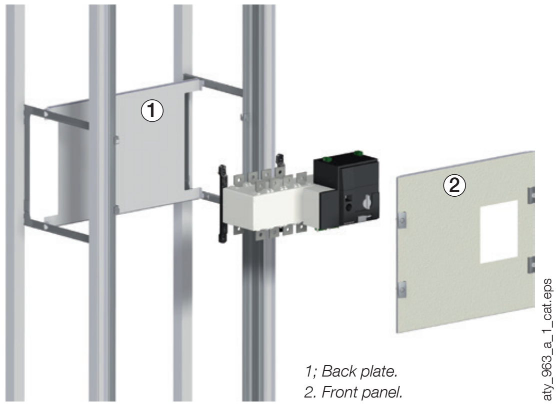
C: Maximum distance of conductor from the first cable fastening support	400 mm

Insulation distances D_i and leak lines L_f

Visual check of compliance with distances as per tables 1 and 2 of the IEC 61439-1 standard					
Command circuit	125 … 630 A	U_{imp} = 4 kV	D_i ≥ 3 mm	U_i = 300 V	L_f ≥ 5 mm
	800 … 3200 A				
Power circuit	125 … 200 A	U_{imp} = 8 kV	D_i ≥ 8 mm	U_i = 800 V	L_f ≥ 12.5 mm
	250 … 630 A	U_{imp} = 12 kV	D_i ≥ 14 mm	U_i = 1000 V	L_f ≥ 16 mm
	800 … 3200 A				

Integration data complying with the IEC/EN 61439 standard

Horizontal mounting



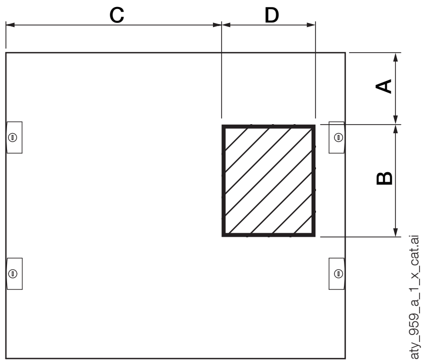
1; Back plate.
2. Front panel.

Rating (A) / Frame size	125 … 200 A / B3	250 … 400 A / B4	500 … 630 A / B5
References	Schneider Electric	Schneider Electric	Schneider Electric
Compatible enclosure*	PrismaSeT P **	PrismaSeT P **	PrismaSeT P **
Vertical modules [1] = 50 mm	[8]	[8]	[12]
Back plate	LVS03564 [7]	LVS03564 [7]	LVS03564 [7]
Depth of the backplate	244 mm	244 mm	244 mm
Back plate/Cross member position	C	C	F
Spacer tab	No	No	No
Front panel with opening	LVS03806 [6]	LVS03806 [6]	LVS03808 [12]
Additional lower front panel	LVS03802 [2]	LVS03802 [2]	-
Additional upper front panel	-	-	-
Socomec accessories required	Door frame		

** ATyS was designed and is manufactured exclusively by Socomec. The statement "Schneider Electric compatible" is only binding on Socomec, which has no links with Schneider Electric. Schneider Electric did not contribute, in any way whatsoever, to the design and marketing of ATyS.*
*** Current version at 03/04/2024.*

Drilling template for the back plate

Rating (A) / Frame size	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)
125 … 200 / B3	3 P	76	195	170	120
	4 P	76	195	140	150
250 … 400 / B4	3 P	76	195	130	160
	4 P	76	195	80	210
500 … 630 / B5	3 P	76	195	80	210
	4 P	76	195	20	270



Cutting template for the front panel

Rating (A) / Frame size	Type	Back plate drilled	A (mm)	B (mm)	C (mm)	D (mm)
125 … 400 / B3 - B4	ATyS r	LVS03806 [6]	145	101	324	138
	ATyS d, g, p	LVS03806 [6]	81	165	324	138
500 … 630 / B5	ATyS r	LVS03808 [12]	270	101	324	138
	ATyS d, g, p	LVS03808 [12]	206	165	324	138

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Vertical mounting

1; Back plate.
2. Front panel.

Rating (A) / Frame size	125 … 200 A / B3	250 … 400 A / B4	500 … 630 A / B5
References	Schneider Electric	Schneider Electric	Schneider Electric
Compatible enclosure*	PrismaSeT P **	PrismaSeT P **	PrismaSeT P **
Vertical modules [1] = 50 mm	[8]	[8]	[12]
Back plate	LVS03566 [8]	LVS03566 [8]	LVS03458 [10]
Depth of the backplate	240 mm	240 mm	330 mm
Back plate/Cross member position	F	F	M
Spacer tab	No	No	No
Front panel with opening	LVS03806 [6]	LVS03806 [6]	LVS03808 [12]
Additional lower front panel	-	-	-
Additional upper front panel	LVS03802 [2]	LVS03802 [2]	-
Socomec accessories required	Door frame		

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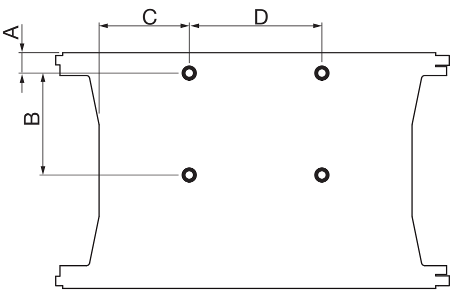
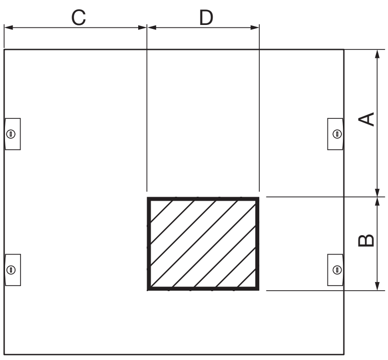
*** Current version at 03/04/2024.*



Drilling template for the back plate

Rating (A) / Frame size	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)
125 … 200 / B3	3 P	30	120	133	195
	4 P	30	150	133	195
250 … 400 / B4	3 P	70	160	133	195
	4 P	20	210	133	195
500 … 630 / B5	3 P	80	210	133	195
	4 P	20	270	133	195



Cutting template for the front panel

Rating (A) / Frame size	Type	Back plate drilled	A (mm)	B (mm)	C (mm)	D (mm)
125 … 200 / B3	ATyS r	LVS03806 [6]	90	138	198	101
	ATyS d, g, p	LVS03806 [6]	90	138	198	165
250 … 400 / B4	ATyS r	LVS03806 [6]	141	138	199	101
	ATyS d, g, p	LVS03806 [6]	141	138	199	165
500 … 630 / B5	ATyS r	LVS03808 [12]	362	138	199	101
	ATyS d, g, p	LVS03808 [12]	362	138	199	165

Rated conditional short-circuit current with circuit breaker*

ABB		TMAX XT1 (160 A)					TMAX XT2 (160 A)					TMAX XT3 (250 A)		TMAX XT4 (250 A)					
Series	I_{cu} / I_n	B	C	N	S	H	N	S	H	L	V	N	S	N	S	H	L	V	X
		18 kA	25 kA	36 kA	50 kA	70 kA	36 kA	50 kA	70 kA	120 kA	150 kA	36 kA	50 kA	36 kA	S	70 kA	120 kA	150 kA	200 kA
	125 A	T	T	T	40	40	T	45	45	45	45	19	19	22	S	22	22	18	18
	160 A	T	T	T	40	40	T	45	45	45	45	19	19	22	S	22	22	18	18
	200 A	T	T	T	40	40	T	45	45	45	45	19	19	22	S	22	22	18	18
	250 A	T	T	T	T	T	T	T	T	T	T	32	32	T	S	50	50	36	36
	315 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	105
	400 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	105
	500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T
ATyS	630 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T
	800 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T
	1000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T
	1250 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T
	1600 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T
	2000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T
	2500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T
	3200 A	T	T	T	T	T	T	T	T	T	T	T	T	T	S	T	T	T	T

ABB		TMAX XT5						TMAX XT6			TMAX XT7			EMAX E2
Series	I_{cu} / I_n	N	S	H	L	V	X	N	S	H	S	H	L	
		36 kA	50 kA	70 kA	120 kA	150 kA	200 kA	36 kA	50 kA	70 kA	50 kA	70 kA	120 kA	130 kA
	125 A	12	12	12	12	12	12	10	10	10	-	-	-	10
	160 A	12	12	12	12	12	12	10	10	10	-	-	-	10
	200 A	12	12	12	12	12	12	10	10	10	-	-	-	10
	250 A	20	20	20	20	20	20	16	16	16	-	-	-	15
	315 A	T	T	T	80	80	80	24	24	24	-	-	-	21
	400 A	T	T	T	80	80	80	24	24	24	-	-	-	21
	500 A	T	T	T	T	T	T	32	32	32	21	21	21	27
ATyS	630 A	T	T	T	T	T	T	T	T	65	34	34	34	42
	800 A	T	T	T	T	T	T	T	50	50	28	28	28	35
	1000 A	T	T	T	T	T	T	T	50	50	28	28	28	35
	1250 A	T	T	T	T	T	T	T	T	T	46	46	46	55
	1600 A	T	T	T	T	T	T	T	T	T	T	T	75	80
	2000 A	T	T	T	T	T	T	T	T	T	T	T	80	85
	2500 A	T	T	T	T	T	T	T	T	T	T	T	80	85
	3200 A	T	T	T	T	T	T	T	T	T	T	T	80	85

HAGER		H3+ P160 TM/Mag				H3+ P160 electro.				H3+ P250TM/Mag				H3+ P250 electro.				H3+ P630				H3+ x630		
Series	I_{cu} / I_n	In	H	M	E	In	H	M	E	In	H	M	E	In	H	M	E	In	H	M	E	In	M	E
			25 kA	50 kA	70 kA		25 kA	50 kA	70 kA		25 kA	50 kA	70 kA		25 kA	50 kA	70 kA		25 kA	50 kA	70 kA		50 kA	70 kA
	125 A	125 A	T	35	35	160 A	20	20	20	125 A	T	T	T	160 A	17	17	17	250 A	18	18	18	250 A	13	13
	160 A	160 A	T	20	20	160 A	20	20	20	160 A	T	T	T	160 A	17	17	17	250 A	18	18	18	250 A	13	13
	200 A	160 A	T	20	20	160 A	20	20	20	200 A	T	T	T	250 A	16	16	16	250 A	18	18	18	250 A	13	13
	250 A	160 A	T	T	52	160 A	T	42	42	250 A	T	42	42	250 A	T	30	30	250 A	T	28	28	250 A	22	22
	315 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	400 A	T	T	T	320 A	T	T
	400 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	400 A	T	T	T	400 A	T	T
	500 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	500 A	T	T
ATyS P	630 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	630 A	T	T
	800 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	630 A	T	T
	1000 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	630 A	T	T
	1250 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	630 A	T	T
	1600 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	630 A	T	T
	2000 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	630 A	T	T
	2500 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	630 A	T	T
	3200 A	160 A	T	T	T	160 A	T	T	T	250 A	T	T	T	250 A	T	T	T	630 A	T	T	T	630 A	T	T

** - Subject to accuracy of the reading and data from the short-circuit current limiting curves of the MCCB circuit breaker.*
T - Coordination possible up to the max I_{cu} value of the circuit breaker

The values are based on the characteristics issued by the manufacturers at the time of publication. Socomec cannot be held liable if these characteristics are changed or if circuit breakers do not perform.

Rated conditional short-circuit current with circuit breaker*

LEGRAND		DPX³ 160												DPX³ 250								DPX³ 630MT			
Series	I_{cu} / I_n	16 A - 25 A - 40 A				63 A - 80 A				100 A - 125 A - 160 A				100 A - 160 A				200 A - 250 A				250 A to 630 A			
		16 kA	25 kA	36 kA	50 kA	16 kA	25 kA	36 kA	50 kA	16 kA	25 kA	36 kA	50 kA	25 kA	36 kA	50 kA	70 kA	25 kA	36 kA	50 kA	70 kA	36 kA	50 kA	70 kA	100 kA
ATyS	125 A	T	T	T	13.5	T	T	16	16	T	19.5	19.5	19.5	T	14.5	14.5	14.5	17.5	17.5	17.5	17.5	21	21	21	21
	160 A	T	T	T	13.5	T	T	16	16	T	19.5	19.5	19.5	T	14.5	14.5	14.5	17.5	17.5	17.5	17.5	21	21	21	21
	200 A	T	T	T	13.5	T	T	16	16	T	19.5	19.5	19.5	T	14.5	14.5	14.5	17.5	17.5	17.5	17.5	21	21	21	21
	250 A	T	T	T	T	T	T	T	T	T	T	23	23	T	T	T	T	T	T	21	21	26	26	26	26
	315 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	34	34	34
	400 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	34	34	34
	500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	38	38
	630 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	800 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	1000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	1250 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	1600 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	2000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	2500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	3200 A		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

LEGRAND		DPX³ 630 EL				DPX³ 1600 MT								DPX³ 1600 EL											
Series	I_{cu} / I_n	250 A to 630 A				500 A to 800 A				1000 A to 1250 A				500 A to 800 A				1000 A 1250 A				1600 A			
		36 kA	50 kA	70 kA	100 kA	36 kA	50 kA	70 kA	100 kA	36 kA	50 kA	70 kA	100 kA	36 kA	50 kA	70 kA	100 kA	36 kA	50 kA	70 kA	100 kA	36 kA	50 kA	70 kA	100 kA
ATyS	125 A	21	21	21	21	29	29	29	29	33	33	33	33	28	28	28	28	30	30	30	30	33	33	33	33
	160 A	21	21	21	21	29	29	29	29	33	33	33	33	28	28	28	28	30	30	30	30	33	33	33	33
	200 A	21	21	21	21	29	29	29	29	33	33	33	33	28	28	28	28	30	30	30	30	33	33	33	33
	250 A	26	26	26	26	37	37	37	37	42	42	42	42	36	36	36	36	40	40	40	40	42	42	42	42
	315 A	T	34	34	34	47	47	47	47	57	57	57	57	48	48	48	48	55	55	55	55	58	58	58	58
	400 A	T	34	34	34	47	47	47	47	57	57	57	57	48	48	48	48	55	55	55	55	58	58	58	58
	500 A	T	T	38	38	55	55	55	55	65	65	65	65	55	55	55	55	65	65	65	65	68	68	68	68
	630 A	T	T	T	T	T	T	68	68	T	82	82	82	T	T	68	68	T	82	82	82	T	90	90	90
	800 A	T	T	T	T	T	63	63	63	76	76	76	76	T	60	60	60	75	75	75	75	82	82	82	82
	1000 A	T	T	T	T	T	63	63	63	76	76	76	76	T	60	60	60	75	75	75	75	82	82	82	82
	1250 A	T	T	T	T	T	T	T	T	T	T	90	90	T	T	T	T	T	T	90	90	T	T	105	105
	1600 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	2000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	2500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	3200 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

SCHNEIDER		NSX 160/100							NSX 250							NSX 400						NSX 630						NSX m				
Series	I_{cu} / I_n	B	F	N	H	S	L	R	B	F	N	H	S	L	R	F	N	H	S	L	R	F	N	H	S	L	R	E	B	F	N	H
		25 kA	35 kA	50 kA	70 kA	100 kA	150 kA	200 kA	25 kA	35 kA	50 kA	70 kA	100 kA	150 kA	200 kA	35 kA	50 kA	70 kA	100 kA	150 kA	200 kA	35 kA	50 kA	70 kA	100 kA	150 kA	200 kA	16 kA	25 kA	35 kA	50 kA	70 kA
ATyS	125 A	T	T	45	45	45	45	45	T	T	35	35	35	35	35	16	16	16	16	16	16	13	13	13	13	13	13	T	T	T	T	50
	160 A	T	T	45	45	45	45	45	T	T	35	35	35	35	35	16	16	16	16	16	16	13	13	13	13	13	13	T	T	T	T	50
	200 A	T	T	45	45	45	45	45	T	T	35	35	35	35	35	16	16	16	16	16	16	13	13	13	13	13	13	T	T	T	T	50
	250 A	T	T	T	T	T	110	110	T	T	T	T	80	80	80	32	32	32	32	32	32	22	22	22	22	22	22	T	T	T	T	T
	315 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	70	70	70	T	T	50	50	50	50	T	T	T	T	T
	400 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	70	70	70	T	T	50	50	50	50	T	T	T	T	T
	500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	100	100	T	T	T	75	75	75	T	T	T	T	T
	630 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	110	110	T	T	T	80	80	80	T	T	T	T	T
	800 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	180	T	T	T	T	T
	1000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	180	T	T	T	T	T
	1250 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	1600 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	2000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	2500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	3200 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

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ATyS

Automatic and remote transfer switching equipment

from 125 A to 3200 A

Rated conditional short-circuit current with circuit breaker*

SIEMENS	3VA10 100 A			3VA11 160 A		3VA12 250 A			3VA13 400 A		3VA14 630 A		3VA15 1000 A			3VA20 100 A				3VA21 160 A			
Series (I_n / I_{cu})	B 16 kA	N 25 kA	S 36 kA	M 55 kA	H 70 kA	S 36 kA	M 55 kA	H 70 kA	S 36 kA	M 55 kA	H 70 kA	C 110 kA	M 55 kA	H 70 kA	C 110 kA	M 55 kA	H 85 kA	C 110 kA	L 150 kA	M 55 kA	H 85 kA	C 110 kA	L 150 kA
ATyS 125 A	T	T	T	49	49	18	18	18	9.3	9.3	9.3	9.3	7.4	7.4	7.4	43.6	43.6	43.6	43.6	25.9	25.9	25.9	25.9
ATyS 160 A	T	T	T	49	49	18	18	18	9.3	9.3	9.3	9.3	7.4	7.4	7.4	43.6	43.6	43.6	43.6	25.9	25.9	25.9	25.9
ATyS 200 A	T	T	T	49	49	18	18	18	9.3	9.3	9.3	9.3	7.4	7.4	7.4	43.6	43.6	43.6	43.6	25.9	25.9	25.9	25.9
ATyS 250 A	T	T	T	T	T	T	42	42	17.5	17.5	17.5	17.5	10	10	10	T	T	T	117.6	T	68	68	68
ATyS 315 A	T	T	T	T	T	T	T	T	T	40	40	40	16.8	16.8	16.8	T	T	T	T	T	T	T	T
ATyS 400 A	T	T	T	T	T	T	T	T	T	40	40	40	16.8	16.8	16.8	T	T	T	T	T	T	T	T
ATyS 500 A	T	T	T	T	T	T	T	T	T	T	61	61	23.2	23.2	23.2	T	T	T	T	T	T	T	T
ATyS 630 A	T	T	T	T	T	T	T	T	T	T	T	T	51.2	51.2	51.2	T	T	T	T	T	T	T	T
ATyS 800 A	T	T	T	T	T	T	T	T	T	T	T	T	38.4	38.4	38.4	T	T	T	T	T	T	T	T
ATyS 1000 A	T	T	T	T	T	T	T	T	T	T	T	T	38.4	38.4	38.4	T	T	T	T	T	T	T	T
ATyS 1250 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	83.8	T	T	T	T	T	T	T	T
ATyS 1600 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
ATyS 2000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
ATyS 2500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
ATyS 3200 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

SIEMENS	3VA22 250 A				3VA23 400 A		3VA24 400 A		3VA24 630 A				3VA25 1000 A			3VA26 1250 A			3VA27 1600 A		
Series (I_n / I_{cu})	M 55 kA	H 85 kA	C 110 kA	L 150 kA	M 55 kA	H 85 kA	C 110 kA	150 kA	M 55 kA	H 85 kA	C 110 kA	L 150 kA	M 55 kA	H 85 kA	C 110 kA	M 55 kA	H 85 kA	C 110 kA	M 55 kA	H 85 kA	C 110 kA
ATyS 125 A	19.2	19.2	19.2	19.2	10.2	10.2	10.2	10	7	7	7	7	7.4	7.4	7.4	7.4	7.4	7.4	8	8	8
ATyS 160 A	19.2	19.2	19.2	19.2	10.2	10.2	10.2	10	7	7	7	7	7.4	7.4	7.4	7.4	7.4	7.4	8	8	8
ATyS 200 A	19.2	19.2	19.2	19.2	10.2	10.2	10.2	10	7	7	7	7	7.4	7.4	7.4	7.4	7.4	7.4	8	8	8
ATyS 250 A	50.4	50.4	50.4	50.4	25.8	25.8	25.8	26	11	11	11	11	10	10	10	11	11	11	11	11	11
ATyS 315 A	T	T	T	T	T	83.2	83.2	83	33	33	33	33	14.4	14.4	14.4	18.4	18.4	18.4	16	16	16
ATyS 400 A	T	T	T	T	T	83.2	83.2	83	33	33	33	33	14.4	14.4	14.4	18.4	18.4	18.4	16	16	16
ATyS 500 A	T	T	T	T	T	T	T	145	T	56	56	56	17	17	17	23.9	23.9	23.9	19	19	19
ATyS 630 A	T	T	T	T	T	T	T	T	T	T	T	T	43	43	43	45.5	45.5	45.5	30	30	30
ATyS 800 A	T	T	T	T	T	T	T	T	T	T	T	129	29	29	29	36	36	36	25.4	25.4	25.4
ATyS 1000 A	T	T	T	T	T	T	T	T	T	T	T	129	29	29	29	36	36	36	25.4	25.4	25.4
ATyS 1250 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	87	T	73	73	41	41	41
ATyS 1600 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	69	69
ATyS 2000 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	81.5	81.5
ATyS 2500 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	81.5	81.5
ATyS 3200 A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	81.5	81.5

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Rated conditional short-circuit current with circuit breaker*

TERASAKI		B160 TM		B250 TM		B250 BE/BEG/SE		B400 BE/BEG/SX/SE		B800 TM			
Series	I_{cu} / I_n	P 125 kA	R 200 kA	P 125 kA	R 200 kA	P 125 kA	R 200 kA	P 125 kA	R 200 kA	F 36 kA	N 50 kA	H 70 kA	G 100 kA
ATyS	125 A	19	19	20	20	20	20	14	14	-	-	-	-
	160 A	19	19	20	20	20	20	14	14	-	-	-	-
	200 A	19	19	20	20	20	20	14	14	-	-	-	-
	250 A	50	50	50	50	50	50	22	22	15	15	15	16
	315 A	T	T	T	T	T	T	50	50	24	24	24	25
	400 A	T	T	T	T	T	T	50	50	24	24	24	25
	500 A	T	T	T	T	T	T	90	90	34	34	34	31
	630 A	T	T	T	T	T	T	T	T	T	T	61	59
	800 A	T	T	T	T	T	T	T	T	T	T	50	46
	1000 A	T	T	T	T	T	T	T	T	T	T	50	46
	1250 A	T	T	T	T	T	T	T	T	T	T	T	90
	1600 A	T	T	T	T	T	T	T	T	T	T	T	T
	2000 A	T	T	T	T	T	T	T	T	T	T	T	T
	2500 A	T	T	T	T	T	T	T	T	T	T	T	T
	3200 A	T	T	T	T	T	T	T	T	T	T	T	T

TERASAKI		B800 BE/BEG/SX/SE					B1000 BE/BEG/SX/SE		B1250 BE/BEG			B1600 BE/BEG		
Series	I_{cu} / I_n	N 50 kA	H 70 kA	G 100 kA	P 125 kA	R 200 kA	N 50 kA	H 70 kA	N 50 kA	H 70 kA	HL 85 kA	N 50 kA	H 70 kA	HL 85 kA
ATyS	125 A	-	-	-	-	-	-	-	-	-	-	-	-	-
	160 A	-	-	-	-	-	-	-	-	-	-	-	-	-
	200 A	-	-	-	-	-	-	-	-	-	-	-	-	-
	250 A	15	15	15	-	-	16	16	-	-	-	-	-	-
	315 A	25	25	25	-	-	26	26	-	-	-	-	-	-
	400 A	25	25	25	-	-	26	26	-	-	-	-	-	-
	500 A	33	33	33	-	-	34	34	25	25	25	22	22	22
	630 A	T	65	60	70	70	T	65	37	37	37	38	38	38
	800 A	T	50	46	55	55	T	50	30	30	30	31	31	31
	1000 A	T	50	46	55	55	T	50	30	30	30	31	31	31
	1250 A	T	T	90	T	120	T	T	T	50	50	T	50	50
	1600 A	T	T	T	T	T	T	T	T	T	80	T	T	80
	2000 A	T	T	T	T	T	T	T	T	T	T	T	T	T
	2500 A	T	T	T	T	T	T	T	T	T	T	T	T	T
	3200 A	T	T	T	T	T	T	T	T	T	T	T	T	T

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