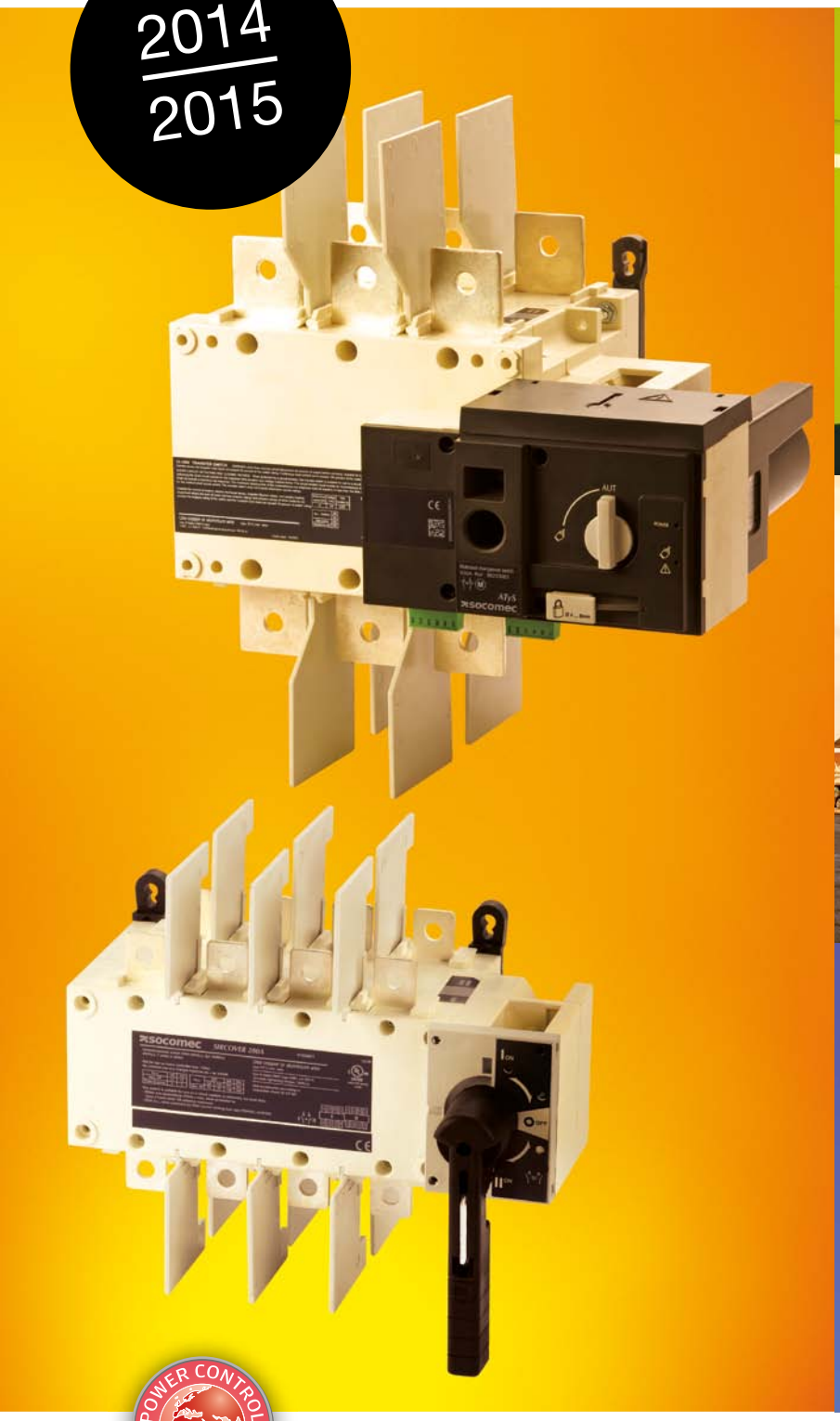
SHORT FORM CATALOGUE

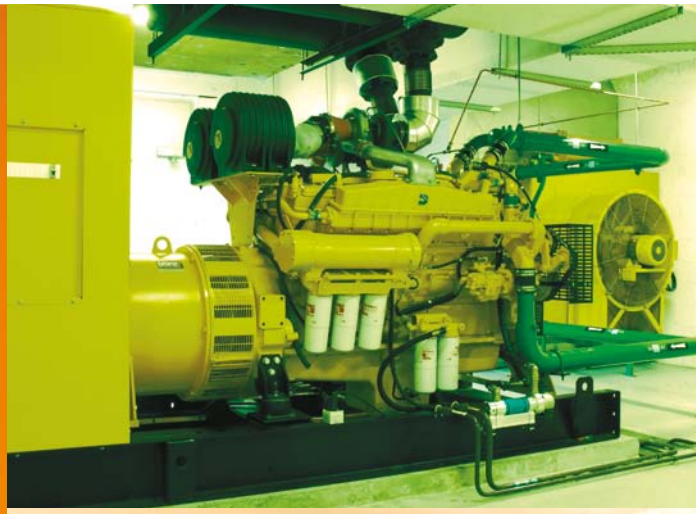
ATYS & SIRCOVER

Transfer Switch Equipment for your power availability

UL 1008 & UL 98

2014
2015





POWER CONTROL & SAFETY

socomec
Innovative Power Solutions

ATyS UL 1008

Motorized Transfer Switching Equipment
from 100 to 400 A

The solution for

- Commercial
- Light Industry
- Residential applications

Strong points

- Robust and reliable design
- Compatible with virtually any ATS controls
- On-load manual operation
- Maintenance free

Conformity to standards

- UL 1008, Guide WPYV, file 317092

Product reference on request.

Your choice of ATS controls

- Your preferred brand of ATS controller, genset/AMF controller or power/building management system, may easily be paired with the ATyS to provide a complete automatic transfer switch that perfectly suits your needs.

Function

ATyS non-automatic transfer switches are designed for use in total system optional standby applications for the safe transfer between a normal and an alternate power source.

The changeover is done in open transition and with minimum supply interruption during transfer ensuring full compliance with UL 1008 and IEC 60947-6-1. The ATyS is a full load break disconnect where the main components are based on proven technology also fulfilling requirements in UL 98 and IEC 60947-3 standards.

Advantages

Robust and Reliable design

ATyS is a remotely operated transfer switch tested in full compliance with UL 1008. The design integrates a failsafe mechanical interlock to ensure that the main source is never inadvertently connected to the alternate. The stable position design ensures that the switch is unaffected by vibration or network voltage perturbation. The ATyS also includes a removable handle for emergency manual operation. This is extremely safe and easy to use.

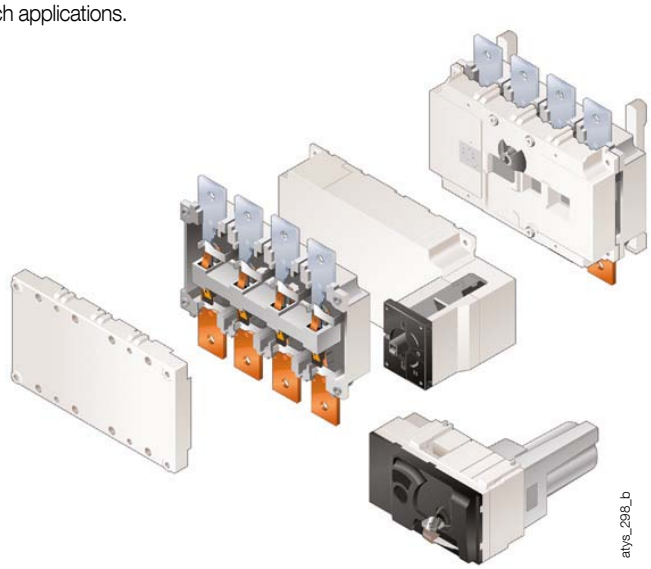
Maintenance free

The self-cleaning contacts of the ATyS allow the power section to be maintenance free. For safe downstream maintenance the ATyS includes a facility for isolation and padlocking in the zero position.

In the unlikely event of a motorization failure, the ATyS is designed in a way that the motorization can be replaced easily and very quickly. Furthermore, the ATyS remains manually operational with or without the motorization in place.

Compatible with virtually any ATS controls

The ATyS is directly compatible with virtually any transfer switching control solution that provides volt free contacts. This allows the ATyS to be combined with most ATS controls available on the market and then used in automatic transfer switch applications.



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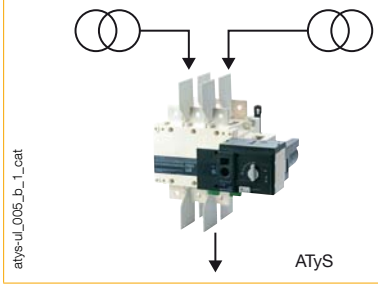
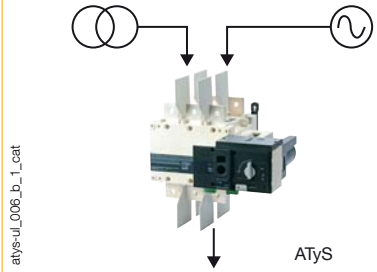
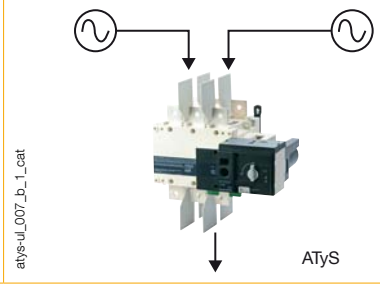
Typical applications

The ATyS UL 1008 range provides safe transfer for mains/mains, mains/genset and genset/genset applications.

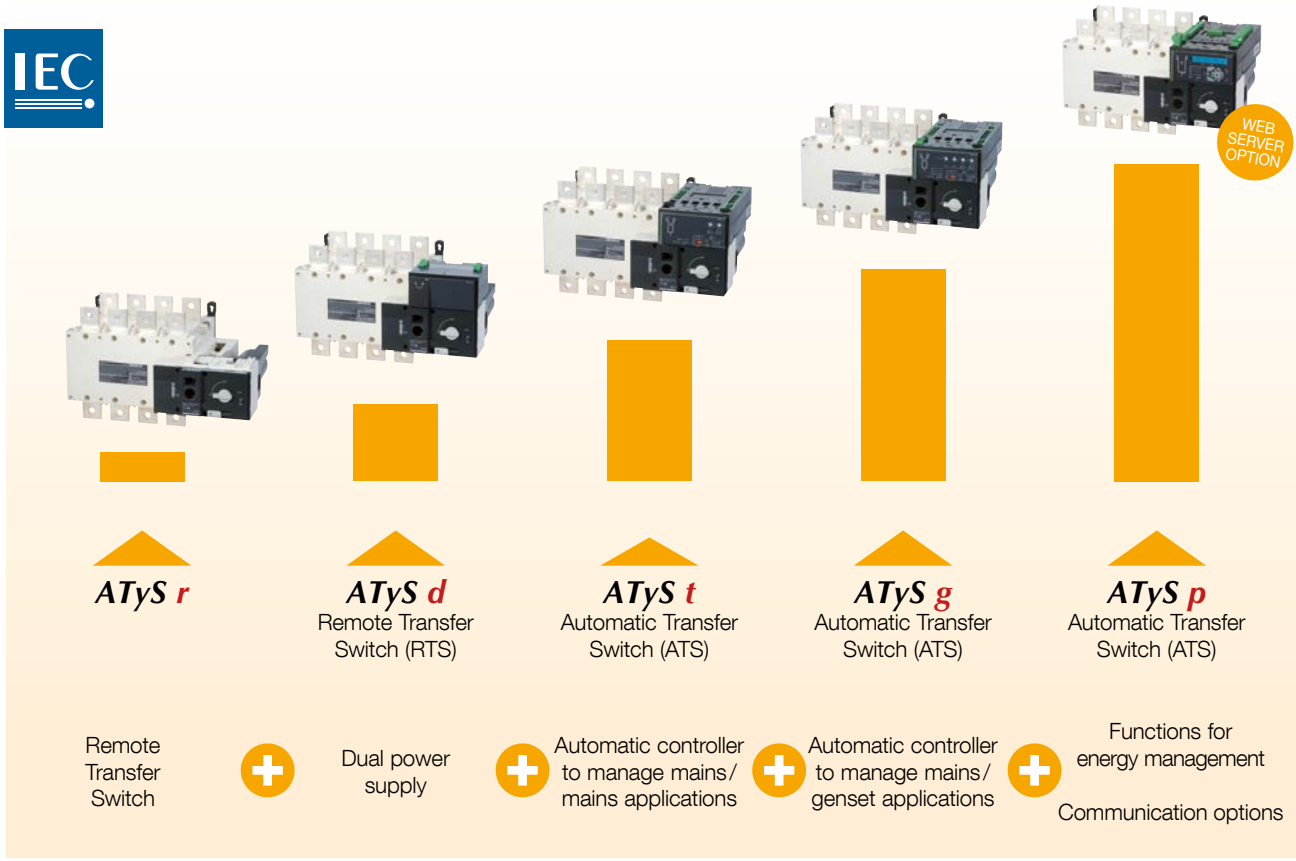
Mains / Mains	Mains / Genset	Genset / Genset
		

Part of a globally recognized range

The ATyS UL 1008 is part of a large family of products including a complete range of remotely operated and fully automatic transfer switches that comply to IEC and GB standards.

The ATyS range is a world renowned product family trusted by some of the largest manufacturers in the genset industry.

The key to success has been through reliable power availability provided by products that are safe and easy to use.



Please don't hesitate to contact SOCOMEC for any questions concerning the IEC ATyS range of products above rated from 125 to 3200 A.

ATyS UL 1008

Motorized Transfer Switching Equipment

from 100 to 400 A

References

Rating (A)	No. of poles	ATyS	Bridging bars	Terminal screens	Auxiliary contact	Lug kits
100 A	2 P	9723 **2010**	2 P 4159 **2021** 3 P 4159 **3021** 4 P 4159 **4021**	2/3 P 4158 **3021** 4 P 4158 **4021**	NO / NC 4159 **0021** Low level 4159 **0022**	2 P 3954 **2020**(1) 3 P 3954 **3020**(1) 4 P 3954 **4020**(1)
	3 P	9723 **3010**				
	4 P	9723 **4010**				
200 A	2 P	9723 **2020**				
	3 P	9723 **3020**				
	4 P	9723 **4020**				
260 A	2 P	9723 **2026**	2 P 4159 **2041** 3 P 4159 **3041** 4 P 4159 **4041**	2/3 P 4158 **3021** 4 P 4158 **4021**		2 P 3954 **2040**(2) 3 P 3954 **3040**(2) 4 P 3954 **4040**(2)
	3 P	9723 **3026**				
	4 P	9723 **4026**				
400 A	2 P	9723 **2040**				
	3 P	9723 **3040**				
	4 P	9723 **4040**				

(1) 1x #6-300MCM.
(2) 1x #6-600MCM.

Accessories

Terminal screens

Use

Top and bottom protection against direct contact with terminals or connection parts.

For upstream and downstream protection, order the reference once.

Rating (A)	No. of poles	Position	Reference
100 ... 200	2/3 P	top / bottom	4158 **3021**
100 ... 200	4 P	top / bottom	4158 **4021**
260 ... 400	2/3 P	top / bottom	4158 **3041**
260 ... 400	4 P	top / bottom	4158 **4041**

acces_207_a_2_cat

Bridging bars

Use

For bridging power terminals on the top or bottom side of the switch.
When ordering one reference is required per switch.

Rating (A)	No. bridging bar	Reference
100 ... 200	2	4159 **2021**
100 ... 200	3	4159 **3021**
100 ... 200	4	4159 **4021**
260 ... 400	2	4159 **2041**
260 ... 400	3	4159 **3041**
260 ... 400	4	4159 **4041**

4159 4021

acces_205_a_2_cat

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Accessories (continued)

Auxiliary contacts (additional)

Use

Pre breaking and signalling of positions I and II: Each reference provides a single NO/NC contact.

(Note : The motorization includes 3 x NO position auxiliary contacts as standard)

Rating (A)	Designation	Reference
100 … 400	NO / NC	4159 **0021**
100 … 400	Low level NO / NC	4159 **0022**

A maximum of 2 Aux contacts per position may be added.

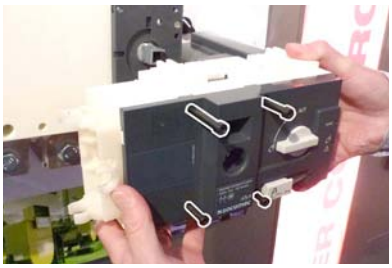

acces_065_a_1_cat


acces_065_a_1_cat

Spares

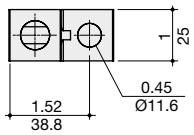
Motorization module

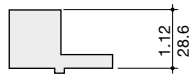
Used for ATyS reference				Ref. Spare part motorization
100 A	2, 3, 4 P	B4	9723 **2010** / 9723 **3010** / 9723 **4010**	9709 **5010**
200 A	2, 3, 4 P		9723 **2020** / 9723 **3020** / 9723 **4020**	9709 **5020**
260 A	2, 3, 4 P	B5	9723 **2026** / 9723 **3026** / 9723 **4026**	9709 **5026**
400 A	2, 3, 4 P		9723 **2040** / 9723 **3040** / 9723 **4040**	9709 **5040**



Terminals lugs (in/mm)

ATyS from 100 to 200 A





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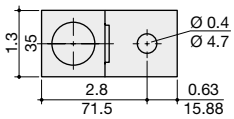
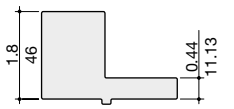
ATyS from 260 to 400 A





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Rating (A)	Wires range	Lugs per kit	Wires	Reference
100 ... 200	6 - 300MCM	2	Cu / Al	3954 **2020**
100 ... 200	6 - 300MCM	3	Cu / Al	3954 **3020**
100 ... 200	6 - 300MCM	4	Cu / Al	3954 **4020**
260 … 400	4 - 600MCM	2	Cu / Al	3954 **2040**
260 … 400	4 - 600MCM	3	Cu / Al	3954 **3040**
260 … 400	4 - 600MCM	4	Cu / Al	3954 **4040**


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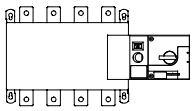
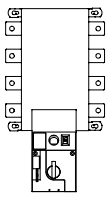
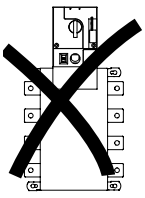
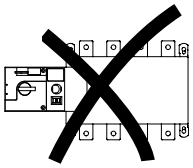
Mounting orientation

ATyS 100 to 400 A

			
Recommended	OK	Not Allowed	Not Allowed

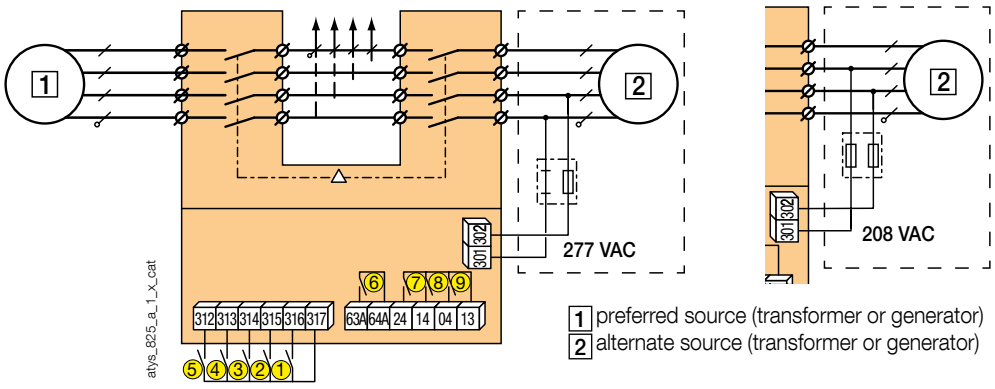
Characteristics according to UL 1008 (Optional standby)

100 to 400 A

Frame	B4		B5	
General use rating	**100 A**	**200 A**	**260 A**	**400 A**
Operation voltage 2 P / 3-4 P	240 / 600	240 / 600	240 / 600	240 / 600
Short circuit rating with ANY CIRCUIT BREAKER (kA/ms)	10 / 25	10 / 25	14 / 50	14 / 50
Short circuit rating at 600 VAC (kA) with fuses	100	100	65	65
Type of fuse	J	J	J	J
Max. fuse rating (A)	200	400	600	600
Short circuit rating at 600 VAC with SPECIFIC CIRCUIT BREAKER (kA)				
Square D JJ breaker 250 A 2 poles 240 VAC / 3-4 poles 480 VAC	65	65	-	-
Schneider Electric NSX-F 160 A 3-4 poles 480 VAC	35	-	-	-
Operational power / current max Operational 1 ph				
240 VAC Total system (A)	100	200	260	400
240 VAC Resistive load (A)	100	200	260	400
Operational power / current max Operational 3 ph				
240 VAC Total system (A)	100	200	260	400
240 VAC Resistive load (A)	100	200	260	400
480 VAC Total system (A)	100	100	260	400
480 VAC Resistive load (A)	100	200	260	400
600 VAC Total system (A)	100	100	200	200
600 VAC Resistive load (A)	100	200	260	400
Mechanical endurance				
Endurance (number of operating cycles)	6050	6050	6050	4050
Connection terminals				
Min. conncetion section / AWG	#6	#6	#4 / 2 x 1/0	#4 / 2 x 1/0
Max. connection section / AWG	300MCM	300MCM	600MCM / 2x 250MCM	600MCM / 2x 250MCM
Aux Power Supply				
Supply voltage VAC 50/60 Hz	208-277 VAC			
Switching time				
I to II or II to I (s)	1.3			
I to 0 or 0 to II (s)	0.85			
Duration of electical blackout (s)	0.6			

Terminals and connections

Typical wiring for 480/277 VAC and 208/120 VAC networks

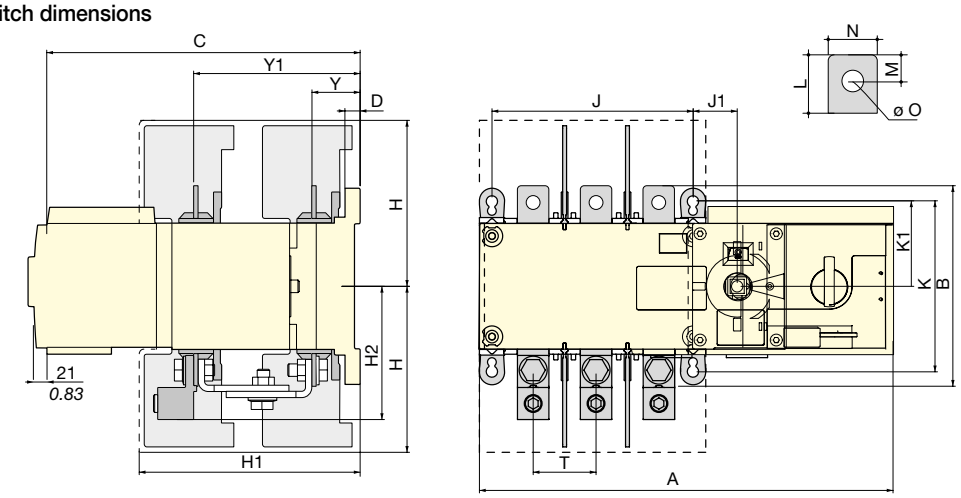


1 : position 0 control (contactor logic if closed)
2 : position I control
3 : position II control
4 : position 0 priority control
5 : closure of this contact enables the position control orders
6 : product availability relay
7 : auxiliary contact, closed when the switch is in position II
8 : auxiliary contact, closed when the switch is in position I
9 : auxiliary contact, closed when the switch is in position 0

Dimensions (in/mm)

100 to 400 A

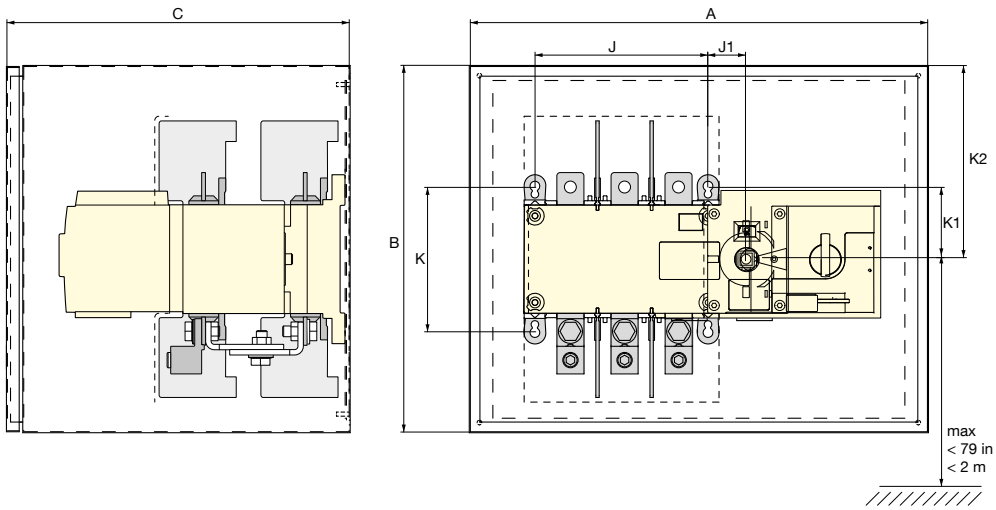
Transfer switch dimensions



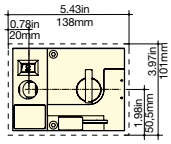
Rating	Ref. code		A		B		C		D		H		H1		H2		Y		Y1	
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
100 - 200 A	9723 **2010** / 9723 **3010** 9723 **2020** / 9723 **3020**	2/3P	12.91	328	6.30	160	9.60	244	0.41	10,5	5.08	129	6.93	176	4.21	107	1.51	38,5	5.21	132,5
	9723 **4010** / 9723 **4020**	4P	14.88	378																
260 - 400 A	9723 **2026** / 9723 **3026** 9723 **2040** / 9723 **3040**	2/3P	14.84	377	10.23	260	12.62	320,5	0.41	10,5	8	203	6.51	165,5	6.53	166	2.04	52	7.48	190
	9723 **4026** / 9723 **4040**	4P	17.20	437																

Rating	Ref. code		J		J1		K		K1		L		M		N		O		T	
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
100 - 200A	9723 **2010** / 9723 **3010** 9723 **2020** / 9723 **3020**	2/3P	6.30	160	1.37	35	7.67	195	3.84	97,5	1.18	30	0.53	13,3	0.98	25	0.43	11	2	50
	9723 **4010** / 9723 **4020**	4P	8.26	210																
260 - 400A	9723 **2026** / 9723 **3026** 9723 **2040** / 9723 **3040**	2/3P	8.26	210	1.37	35	7.67	195	3.84	97,5	1.96	50	0.49	20	1.38	45	0.51	13	2.6	65
	9723 **4026** / 9723 **4040**	4P	10.63	270																

Minimum enclosure dimensions recommended



Door cut-out for front panel



Rating	Ref. code		A		B		C		J		J1		K		K1		K2	
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
100 - 200 A	9723 **2010** / 9723 **3010** 9723 **2020** / 9723 **3020**	2/3P	24	610	24	610	12	305	6.30	160	1.37	35	5.31	135	2.67	68	12	305
	9723 **4010** / 9723 **4020**	4P							8.26	210								
260 - 400 A	9723 **2026** / 9723 **3026** 9723 **2040** / 9723 **3040**	2/3P	32	813	32	813	16	406	8.26	210	1.37	35	7.67	195	3.84	97,5	15	381
	9723 **4026** / 9723 **4040**	4P							10.63	270								

SIRCOVER UL 1008

Manual Transfer Switching Equipment

100 to 1200 A

svr-ul_014_b_1_cat

svr-ul_013_a_2_cat

The solution for

- Manufacturing industry
- Power distribution
- Domestic

Strong points

- Stable positions
- Compact design
- On load switching
- Reliability

Conformity to standards

- UL 1008, Guide WPYV, file 317092
- UL 98, Guide WHTY, file 201138
- CSA 22.2#4, Class 4651-02

UL 98 and CSA from 600-1200 A with 100-400 A on request with a specific reference.

Function

SIRCOVER UL 1008/98 are heavy duty manual transfer switches. They ensure switching transfer of sources or transfer of two low voltage circuits on load as well as their safe disconnection.

These switches are extremely durable and are tested and approved for use in the most demanding applications, such as resitive load or total system applications.

Advantages

Stable positions

SIRCOVERs have three stable positions which are not affected by voltage drops or vibrations, thus protecting your load against network interference.

Compact design

The SIRCOVER are based on a back-to-back switching technology, providing a compact solution.

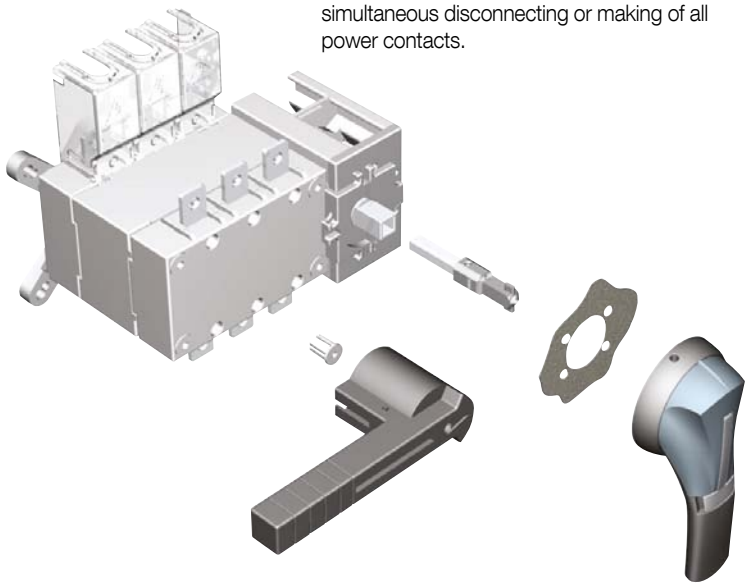
On load switching

The SIRCOVER UL enables secure and reliable switching, without the need for pre-breaking upstream.

Reliability

The SIRCOVER has double breaking per pole acheived through its sliding bar contacts system.

The quick opening and rapid closure provides simultaneous disconnecting or making of all power contacts.



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Typical application

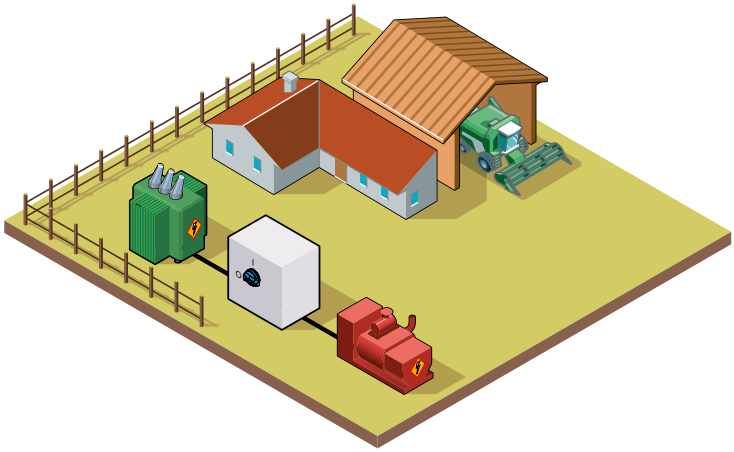
The SIRCOVER UL 1008 range provides safe transfer and disconnection at all levels within your LV installation.

They can be used for changing motor phase for rotation control or equipmement grounding as well.

Normal power supply to genset transfer

The source transfer will be operated safely even under on-load or over-load conditions

svr-ul_017_a



SOCOMEC solution up to 1200 A

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UL 1008 Manual Transfer Switch
From 100 to 400 A for resistive and total systems applications
UL 98 versions on request

svr-ul_013_a_2_cat

UL 1008 and UL 98 Manual Transfer Switch
From 600 to 1200 A for resistive and total systems applications
Has UL 98/CSA 22.2#4 certification

IEC solution up to 3200 A

The SIRCOVER UL 1008 is part of a large range that includes an IEC range of standalone or enclosed manual transfer switches and manual by-pass switches with overlapping options.
Contact us for further information on our complete range

References

UL 1008

Rating (A)	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Bridging bars	Auxiliary contacts	Terminal screens
100 A	2 P	4150 **2012**	Black 4199 **4012**	S2 type Black I - 0 - II 4, 4X 142D **2113** S2 type Black I - 0 - II 4, 4X 142D **2813**(1)	S2 type 200 mm 7.9 inches 1400 **1020** 320 mm 12.6 inches 1400 **1032** 400 mm 15.7 inches 1400 **1040**	2P 4159 **2021** 3P 4159 **3021** 4P 4159 **4021**	Contact NO/NC 4159 0021 Low level 4159 **0022**	2P & 3P 4158 **3021** 4P 4158 **4021**
	3 P	4150 **3012**						
	4 P	4150 **4012**						
200 A	2 P	4150 **2022**						
	3 P	4150 **3022**						
	4 P	4150 **4022**						
260 A	2 P	4150 **2026**		S3 type Black I - 0 - II 4, 4X 143D **3113**	S3, S4 type 200 mm 7.9 inches 1401 **1520** 320 mm 12.6 inches 1401 **1532** 400 mm 15.7 inches 1401 **1540**	2P 4159 **2041** 3P 4159 **3041** 4P 4159 **4041**		2P & 3P 4158 **3041** 4P 4158 **4041**
	3 P	4150 **3026**						
	4 P	4150 **4026**						
400 A	2 P	4150 **2042**						
	3 P	4150 **3042**						
	4 P	4150 **4042**						
600 A	3 P	4150 **3060**	Black 4199 **7012**			3 P 4159 **3063** 4 P 4159 **4063**	Contact NO/NC as standard	3 P 1609 **3063** 4 P 1609 **4063**
	4 P	4150 **4060**						
800 A	3 P	4150 **3080**	Black 4199 **7062**	S4 type Black I - 0 - II 4, 4X 144D **3813**(1)		3 P 4159 **3080** 4 P 4159 **4080**		3 P 1609 **3080** 4 P 1609 **4080**
	4 P	4150 **4080**						
1200 A	3 P	4150 **3120**						
	4 P	4150 **4120**						

(1) Padlockable in all 3 positions.

Accessories

Direct handle

Rating (A)	Type	Colour	Handle type	Reference
100 … 400	B3	Black	1 lever	4199 **4012**
600	C2	Black	2 lever	4199 **7012**
800 … 1200	V1	Metal	2 lever	4199 **7062**

Type B3 *Type C2* *Type V1*

External handle

Rating (A)	Handle type	Colour	Nema type	Lockable in 3 positions	Reference
100 ... 200	S2	Black	4, 4X	no	142D **2113**
100 ... 200	S2	Red/Yellow	4, 4X	no	142E **2113**
100 ... 200	S2	Black	1, 3R, 12	no	142F **2113**
100 ... 200	S2	Red/Yellow	1, 3R, 12	no	142G **2113**
100 ... 200	S2	Black	4, 4X	yes	142D **2813**
100 ... 200	S2	Red/Yellow	4, 4X	yes	142E **2813**
100 ... 200	S2	Black	1, 3R, 12	yes	142F **2813**
100 ... 200	S2	Red/Yellow	1, 3R, 12	yes	142G **2813**
260 ... 600	S3	Black	4, 4X	no	143D **3113**
260 ... 600	S3	Red/Yellow	4, 4X	no	143E **3113**
260 ... 600	S3	Black	1, 3R, 12	no	143F **3113**
260 ... 600	S3	Red/Yellow	1, 3R, 12	no	143G **3113**
260 ... 600	S3	Black	4, 4X	yes	143D **3813**
260 ... 600	S3	Red/Yellow	4, 4X	yes	143E **3813**
260 ... 600	S3	Black	1, 3R, 12	yes	143F **3813**
260 ... 600	S3	Red/Yellow	1, 3R, 12	yes	143G **3813**
800 ... 1200	S4	Black	4, 4X	no	144D **3113**
800 ... 1200	S4	Black	1, 3R, 12	no	144E **3113**
800 ... 1200	S4	Black	1, 3R, 12	no	144E **3113**
800 ... 1200	S4	Red/Yellow	1, 3R, 12	no	144G **3113**
800 ... 1200	S4	Black	4, 4X	yes	144D **3813**
800 ... 1200	S4	Red/Yellow	4, 4X	yes	144E **3813**
800 ... 1200	S4	Black	1, 3R, 12	yes	144F **3813**
800 ... 1200	S4	Red/Yellow	1, 3R, 12	yes	144G **3813**
800 ... 1200	S5	Black	1, 3R, 12(1)	no	1453 **8113**
800 ... 1200	S5	Red/Yellow	1, 3R, 12(1)	no	1454 **8113**
800 ... 1200	V1	Black	1, 3R, 12(1)	no	4199 **7149**

(1) For 4, 4X please consult us.

Use

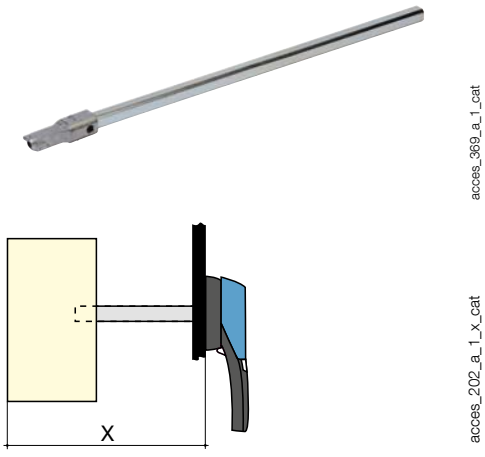
The handle interlocking function prevents the user from opening the door of the enclosure when the switch is in the "ON" position.

Opening the door when the switch is in the "ON" position is possible by defeating the interlocking function (Not S5 and V handles) with the use of a tool (authorized persons only).

The interlocking function is restored when the door is re-closed.

Shaft for external handle

Rating (A)	Handle type	Length (in)	Length (mm)	Dimension X (in)	Dimension X (mm)	Reference
100 … 200	S2 type	7.9	200	10 … 14.3	254 … 362	1400 **1020**
100 … 200	S2 type	12.6	320	10 … 19	254 … 482	1400 **1032**
100 … 200	S2 type	15.7	400	10 … 22.1	254 … 562	1400 **1040**
260 … 400	S3 type	7.9	200	12 … 18.4	305 … 467	1401 **1520**
260 … 400	S3 type	12.6	320	12 … 23.1	305 … 587	1401 **1532**
260 … 400	S3 type	15.7	400	12 … 26.3	305 … 667	1401 **1540**
260 … 400	S3 type	7.9	200	20 … 23.4	508 … 594	1401 **1520**
260 … 400	S3 type	12.6	320	20 … 28.1	508 … 714	1401 **1532**
260 … 400	S3 type	15.7	400	20 … 31.3	508 … 794	1401 **1540**
800 … 1200	S4 type	7.9	200	20 … 23.4	508 … 594	1401 **1520**
800 … 1200	S4 type	12.6	320	20 … 28.1	508 … 714	1401 **1532**
800 … 1200	S4 type	15.7	400	20 … 31.3	508 … 794	1401 **1540**
800 … 1200	V1 / S5 type	12.6	320	20 … 28.1	508 … 714	4199 **3018**
800 … 1200	V1 / S5 type	15.7	400	20 … 31.3	508 … 794	4199 **3019**



SIRCOVER UL 1008

Manual Transfer Switching Equipment

100 to 1200 A

Bridging bars

Use

Creation of a common point, above or below the switch, between positions I and II.

Rating (A)	No. bridging bar	Reference
100 ... 200	2	4159 **2021**
100 ... 200	3	4159 **3021**
100 ... 200	4	4159 **4021**
260 ... 400	2	4159 **2041**
260 ... 400	3	4159 **3041**
260 ... 400	4	4159 **4041**
600	3	4159 **3063**
600	4	4159 **4063**
800 ... 1200	3	4159 **3080**
800 ... 1200	4	4159 **4080**

acces_205_a_1_cat

Terminal protection screen

Use

Top or bottom protection against direct contact with terminals or connecting parts.

Rating (A)	No. of poles	Reference
100 ... 200	2P / 3P	4158 **3021**
100 ... 200	4 P	4158 **4021**
260 ... 400	2P / 3P	4158 **3041**
260 ... 400	4 P	4158 **4041**
600	6 P	1609 **3063**
600	4 P	1609 **4063**
800 ... 1200	3 P	1609 **3080**
800 ... 1200	4 P	1609 **4080**

acces_207_a_1_cat

Auxiliary contacts

Use

Pre-break and signalisation of positions .
For low level ACs and other ACs contact us.

Electrical characteristics

A300.

NO/NC auxiliary contact

Rating (A)	Contact (s)	Reference
100 ... 400	NO/NC on position 1 and 2	4159 **0021**
100 ... 400	Low level NO/NC on position 1 and 2	4159 **0022**
600 ... 1200	NO/NC on position 1 and 2	as standard

acces_065_a_1_cat

acces_065_a_1_cat

Terminal lugs

Use

Connection of bare copper cables onto the terminals (without lugs).

Rating (A)	Wires range	No wires per lug	Lugs per kit	Wires	Reference
100 ... 200	6 - 300MCM	1	2	Cu / Al	3954 **2020**
100 ... 200	6 - 300MCM	1	3	Cu / Al	3954 **3020**
100 ... 200	6 - 300MCM	1	4	Cu / Al	3954 **4020**
260 ... 400	4 - 600MCM	1	2	Cu / Al	3954 **2040**
260 ... 400	4 - 600MCM	1	3	Cu / Al	3954 **3040**
260 ... 400	4 - 600MCM	1	4	Cu / Al	3954 **4040**
600	2x (#2 - 600MCM)	2	3	Cu / Al	3954 **3060**
600	2x (#2 - 600MCM)	2	4	Cu / Al	3954 **4060**
800 ... 1200(1)	2x 2x(#2 - 600MCM)	2	6	Cu / Al	3954 **3120**
800 ... 1200(1)	2x 2x(#2 - 600MCM)	2	8	Cu / Al	3954 **4120**

(1) Used to connect up to 4 cables per terminal. Refer to drawing on p.15.
Two of these lugs fit side by side on a single terminal.

ul_032_a

socomec Innovative Power Solutions

Characteristics

Characteristics according to UL 1008

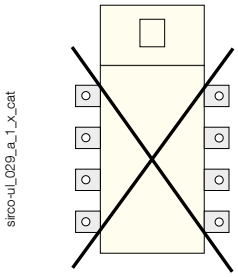
	100 to 1200 A						
General use rating (A)	**100 A**	**200 A**	**260 A**	**400 A**	**600 A**	**800 A**	**1200 A**
Operation voltage 2 P / 3-4 P	240 / 600	240 / 600	240 / 600	240 / 600	- / 600	- / 600	- / 600
Short circuit rating with circuit breaker (kA/ms)	10 / 25	10 / 25	14 / 50	14 / 50	35 / 50	35 / 50	35 / 50
Short circuit rating at 600 VAC (kA)	100	100	65	65	100	100	100
Type of fuse	J	J	J	J	L	L	L
Max. fuse rating (A)	200	400	600	600	800	1000	1600
Short circuit rating at 600 VAC with SPECIFIC CIRCUIT BREAKER (kA)							
Square D JJ breaker 250 A 2 poles 240 VAC / 3-4 poles 480 VAC	65	65	-	-	-	-	-
Schneider Electric NSX-F 160 A 3-4 poles 480 VAC	35	-	-	-	-	-	-
Operational power / current max Operational 1 ph							
240 VAC Total system (A)	100	200	260	400	-	-	-
240 VAC Resistive load (A)	100	200	260	400	-	-	-
Operational power / current max Operational 3 ph							
240 VAC Total System (A)	100	200	260	400	400	700	700
240 VAC Resistive load (A)	100	200	260	400	600	800	1200
480 VAC Total System (A)	100	100	260	400	350	600	600
480 VAC Resistive load (A)	100	200	260	400	600	800	1200
600 VAC Total System (A)	100	100	200	200			
600 VAC Resistive load (A)	100	200	260	400	400	800	1200
Mechanical endurance							
Endurance (number of operating cycles)	6050	6050	6050	4050	3050	3050	3050
Connection terminals							
Min. connection section / AWG	#6	#6	#4 / 2 x 1 / 0	#4 / 2 x 1 / 0	2 x #2	2 x #2	4 x #2
Max. connection section / AWG	300MCM	300MCM	600MCM / 2 x 250MCM	600MCM / 2 x 250MCM	2 x 600MCM	2 x 600MCM	4 x 600MCM

Characteristics according to UL 98/CSA 22.2#4

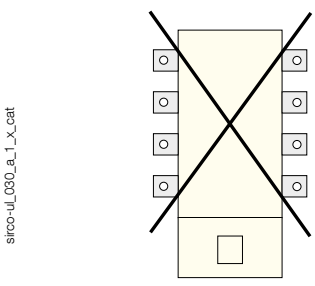
	100 to 1200 A						
General use rating at 600VAC and 250VDC (A)	**Specific reference on request**				**600 A**	**800 A**	**1200 A**
Short circuit rating at 600 VAC (kA)	-	-	-	-	200	100	100
Type of fuse	-	-	-	-	J	L	L
Max. fuse rating (A)	-	-	-	-	600	800	1200
Max. motor, hp / FLA 3 ph motor max.							
220-240 VAC	-	-	-	-	200 / 480	-	-
440-480 VAC	-	-	-	-	400 / 477	-	-
600 VAC	-	-	-	-	500 / 472	-	-
Mechanical characteristics							
Endurance (number of operating cycles)	-	-	-	-	5000	3500	2500
Operating torque (lbs.in/Nm)	-	-	-	-	327.5/37	442.5/50	442.5/50
Auxiliary contacts							
Electrical characteristics	A300	A300	A300	A300	A300	A300	A300

Mounting orientation

SIRCOVER - 100 to 400 A

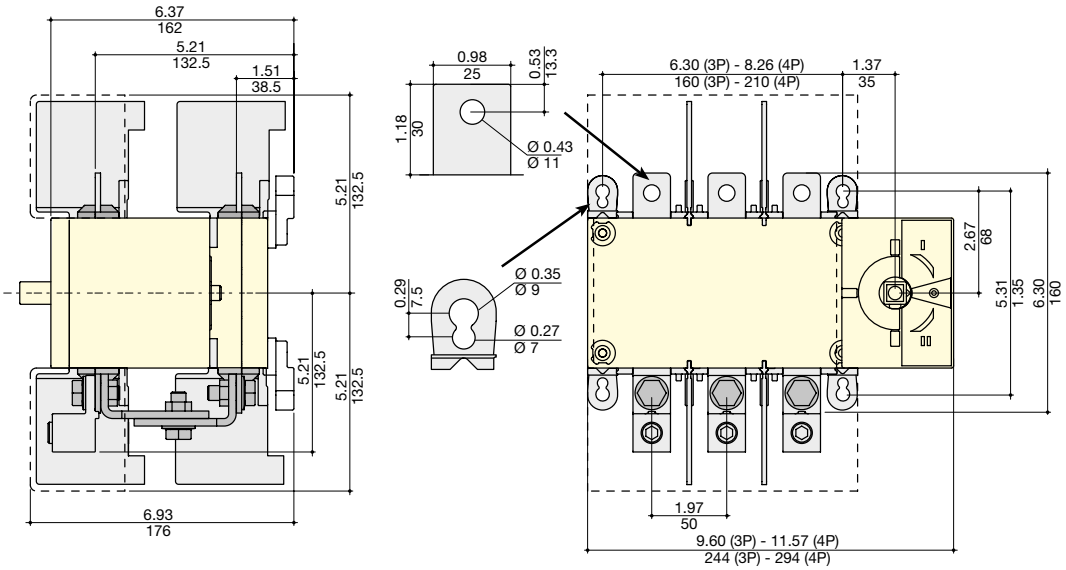


SIRCOVER - 600 to 1200 A



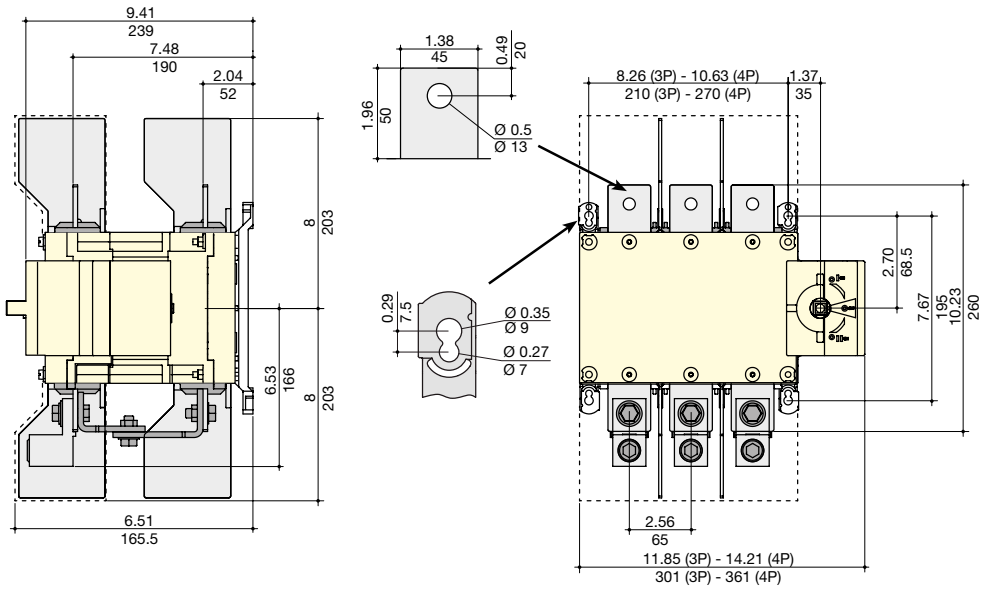
Dimensions (in/mm)

100 to 200 A



svr-ul_015_a_x_cat

400 A



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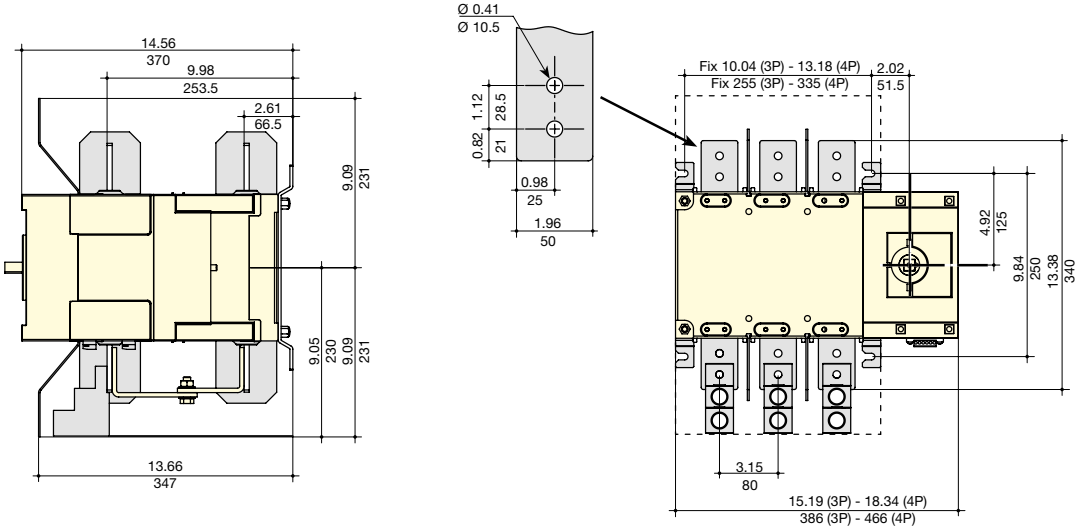
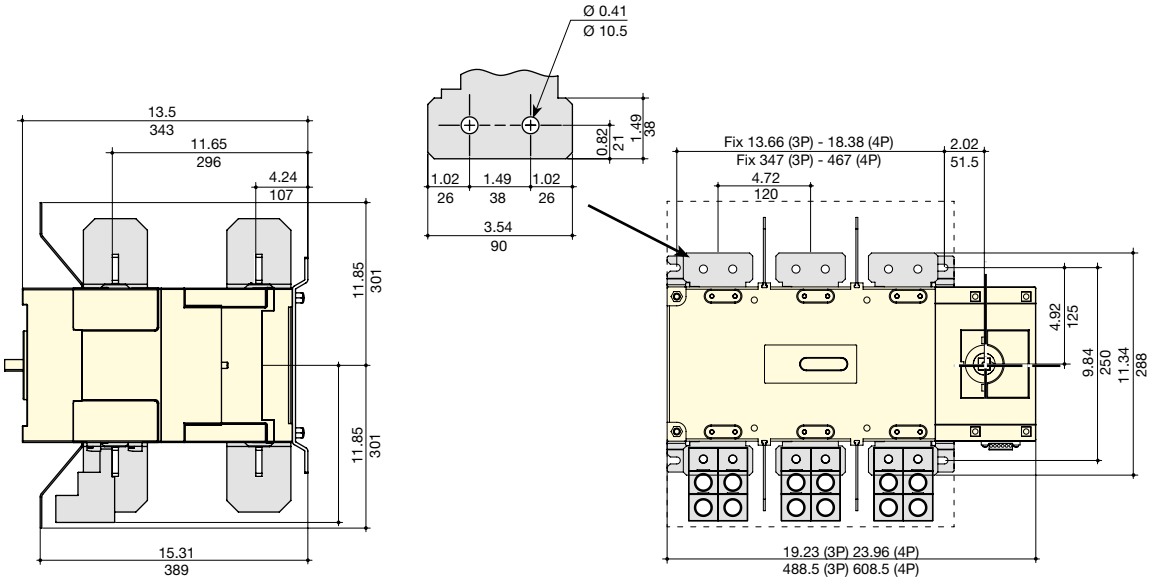
Dimensions (in/mm) (continued)

600 A

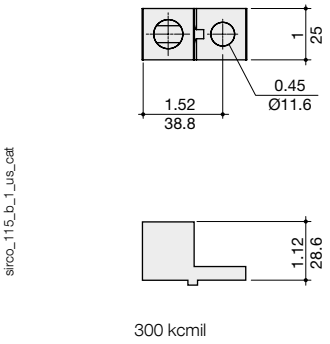


800 to 1200 A



Terminal lugs (in/mm)

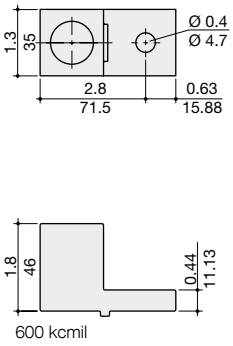
SIRCOVER 100 to 200 A



sirco_115_b_1_us_cat

300 kcmil

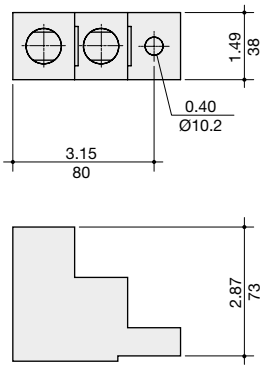
SIRCOVER 260 to 400 A



sirco-ul_010_a_1_us_cat

600 kcmil

SIRCOVER 600 to 1200 A

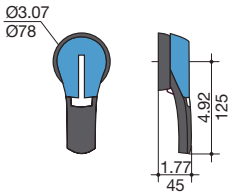
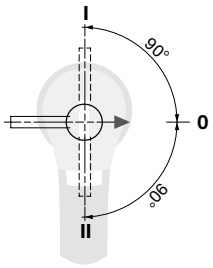
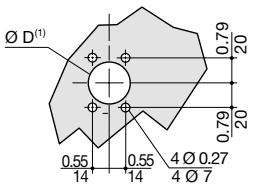


sirco_116_b_1_us_cat

2 x 600 kcmil

External handles dimensions (in/mm)

SIRCOVER 100 and 200 A

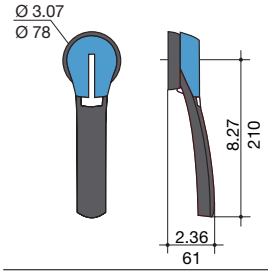
Handle type	Front operation Direction of operation	Door drilling
S2 type 		

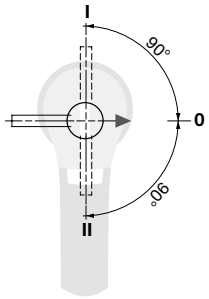
svr-ul_010_a_1_gb_cat

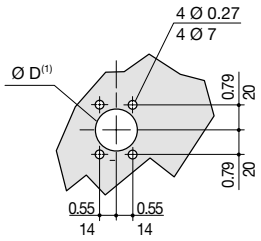
External handles dimensions (in/mm)

SIRCOVER 260 and 600 A

Handle type	Front operation Direction of operation	Door drilling
S3 type		



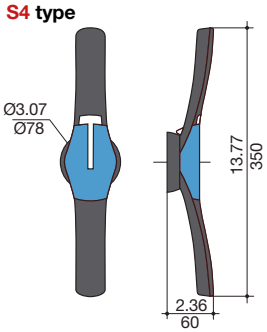


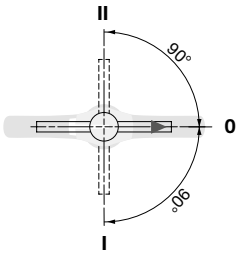


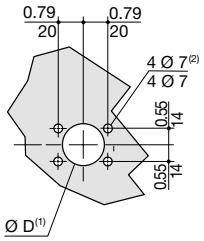
svr-uL_012_a_1_gb_cat

SIRCOVER 800 to 1200 A

Handle type	Front operation Direction of operation	Door drilling
S4 type		







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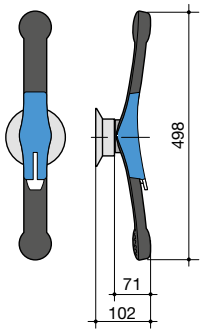
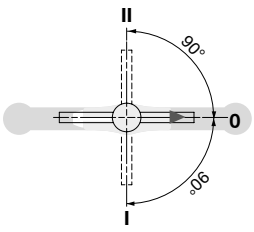
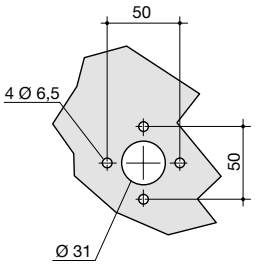
SIRCOVER 800 to 1200 A

Handle type	Front operation Direction of operation	Door drilling
S5 type with V Escutcheon		







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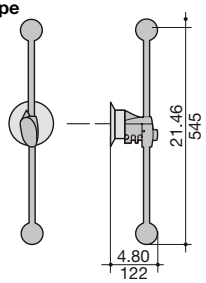
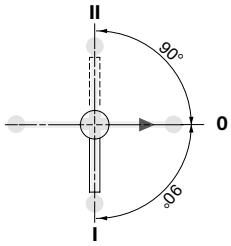
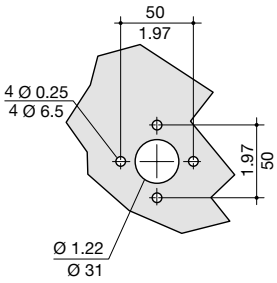
Handle type	Front operation Direction of operation	Door drilling
V1 type		







sirco-uL_031_a_1_gb_cat

Notes

Notes

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