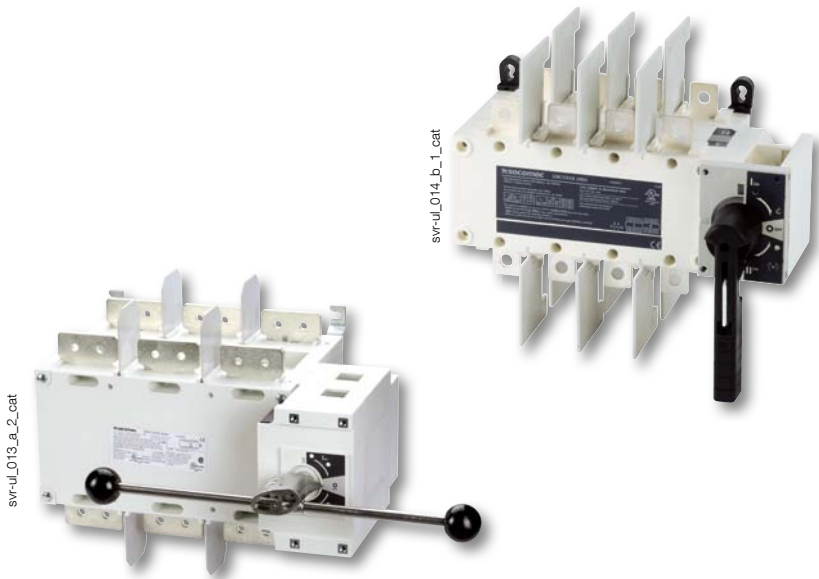




# SIRCOPER UL1008

Manually operated Transfer Switching Equipment  
from 100 to 1200 A

Transfer switches



## 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.*

## Enclosed solutions

SOCOMECC offers a range of pre-equipped enclosures in steel or polyester.



Enclosed  
SIRCOPER

## Function

SIRCOPER UL1008/98 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 resistive load or total system applications.

## Advantages

### Stable positions

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

### Compact design

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

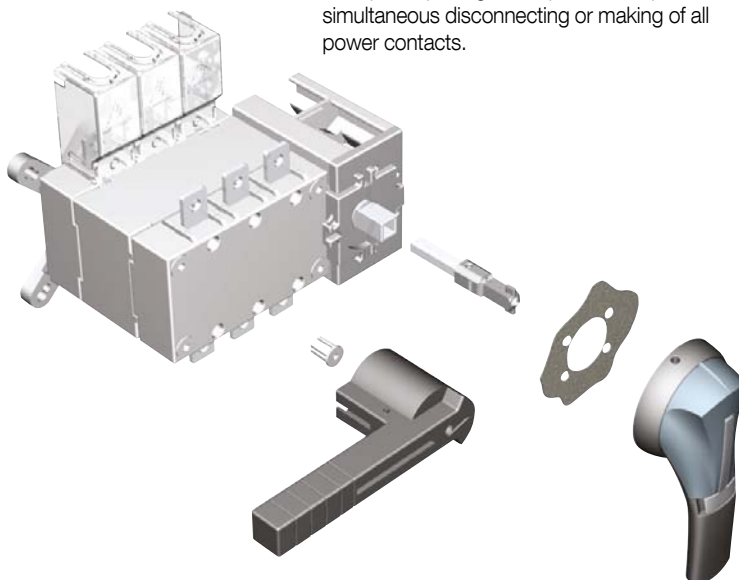
### On-load switching

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

### Reliability

The SIRCOPER has double breaking per pole achieved through its sliding bar contacts system.

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

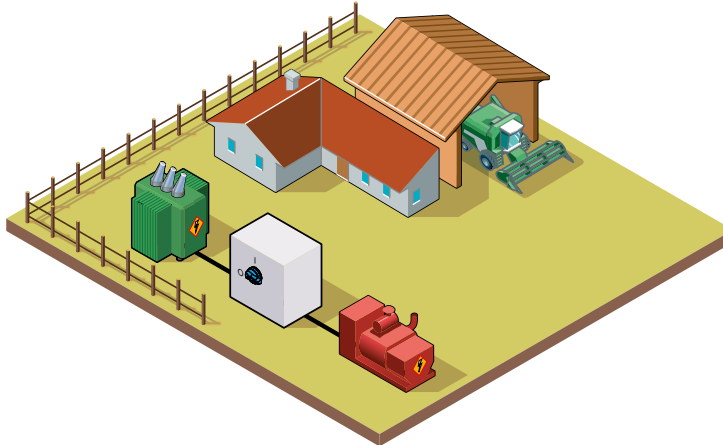


svr\_136\_a\_2\_cat

**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 equipment 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**



svr-ul\_014\_b\_2\_cat



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



svr-ul\_019\_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 products of standalone or enclosed manual transfer switches and manual bypass switches with overlapping options. Contact us for further information on our complete range.



# SIRCOVER UL1008

Manually operated Transfer Switching Equipment  
from 100 to 1200 A

## References

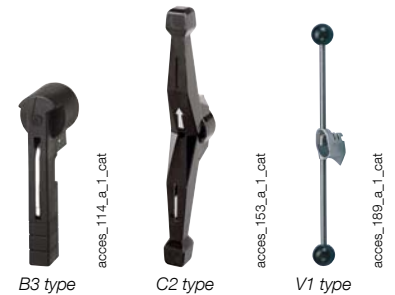
### SIRCOVER UL 1008

Rating (A)	Frame size	No. of poles	Switch body	Direct handle	External handle	Shaft for external handle	Bridging bars	Auxiliary contacts	Terminal screens
100 A	B4	2 P	4150 2012	Black 4199 4012	S2 type Black I - 0 - II 4, 4X 142D 2113  Padlockable in all 3 positions 142D 2813	S2 type 200 mm 7.9 inches 1400 1020  320 mm 12.6 inches 1400 1032  400 mm 15.7 inches 1400 1040	2 P 4159 2021 3 P 4159 3021 4 P 4159 4021	Contact NO/NC 4159 0021 Low level 4159 0022	2 / 3 P 4158 3021 4 P 4158 4021
		3 P	4150 3012						
		4 P	4150 4012						
2 P		4150 2022							
3 P		4150 3022							
4 P		4150 4022							
200 A	B5	2 P	4150 2026	Black 4199 4012	S2 type Black I - 0 - II 4, 4X 142D 2113  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	2 P 4159 2041 3 P 4159 3041 4 P 4159 4041	Contact NO/NC 4159 0021 Low level 4159 0022	2 / 3 P 4158 3041 4 P 4158 4041
3 P		4150 3026							
4 P		4150 4026							
2 P		4150 2042							
3 P		4150 3042							
4 P		4150 4042							
260 A	B6	3 P	4150 3060	Black 4199 7012	S3 type Black I - 0 - II 4, 4X 143D 3113	320 mm 12.6 inches 1401 1532  400 mm 15.7 inches 1401 1540	3 P 4159 3063 4 P 4159 4063	Contact NO/NC 4159 0021 Low level 4159 0022	3 P 1609 3063 4 P 1609 4063
4 P		4150 4060							
400 A	B7	3 P	4150 3080	Black 4199 7062	S4 type Black I - 0 - II 4, 4X 144D 3813 <sup>(1)</sup>	320 mm 12.6 inches 1401 1532  400 mm 15.7 inches 1401 1540	3 P 4159 3080 4 P 4159 4080	Contact NO/NC as standard	3 P 1609 3080 4 P 1609 4080
800 A		4 P	4150 4080						
		3 P	4150 3120						
1200 A		4 P	4150 4120						

## Accessories

### Direct handle

Rating (A)	Type	Colour	Handle type	Reference
100 ... 400	B3	Black	1 lever	4199 <b>4012</b>
600	C2	Black	2 lever	4199 <b>7012</b>
800 ... 1200	V1	Metal	2 lever	4199 <b>7062</b>



### External handle

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

(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.

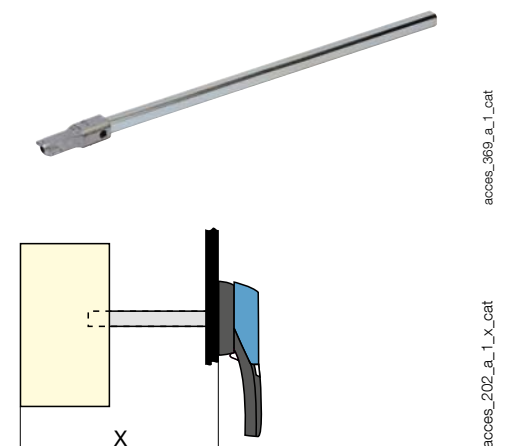
Opening the door when the switch is in the "ON" position is possible by defeating the interlocking function (not S5 and V handles) with the use of a tool (authorised persons only).

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



### Shaft for external handle

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



# SIRCOVER UL1008

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## Accessories (continued)

### 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 <b>2021</b>
100 ... 200	3	4159 <b>3021</b>
100 ... 200	4	4159 <b>4021</b>
260 ... 400	2	4159 <b>2041</b>
260 ... 400	3	4159 <b>3041</b>
260 ... 400	4	4159 <b>4041</b>
600	3	4159 <b>3063</b>
600	4	4159 <b>4063</b>
800 ... 1200	3	4159 <b>3080</b>
800 ... 1200	4	4159 <b>4080</b>



access\_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 <b>3021</b>
100 ... 200	4 P	4158 <b>4021</b>
260 ... 400	2P / 3P	4158 <b>3041</b>
260 ... 400	4 P	4158 <b>4041</b>
600	6 P	1609 <b>3063</b>
600	4 P	1609 <b>4063</b>
800 ... 1200	3 P	1609 <b>3080</b>
800 ... 1200	4 P	1609 <b>4080</b>



access\_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 <b>0021</b>
100 ... 400	Low level NO/NC on position 1 and 2	4159 <b>0022</b>
600 ... 1200	NO/NC on position 1 and 2	included



access\_065\_a\_1\_cat

access\_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 <b>2020</b>
100 ... 200	6 - 300MCM	1	3	Cu / Al	3954 <b>3020</b>
100 ... 200	6 - 300MCM	1	4	Cu / Al	3954 <b>4020</b>
260 ... 400	4 - 600MCM	1	2	Cu / Al	3954 <b>2040</b>
260 ... 400	4 - 600MCM	1	3	Cu / Al	3954 <b>3040</b>
260 ... 400	4 - 600MCM	1	4	Cu / Al	3954 <b>4040</b>
600	2x (#2 - 600MCM)	2	3	Cu / Al	3954 <b>3060</b>
600	2x (#2 - 600MCM)	2	4	Cu / Al	3954 <b>4060</b>
800 ... 1200 <sup>(1)</sup>	2x 2x(#2 - 600MCM)	2	6	Cu / Al	3954 <b>3120</b>
800 ... 1200 <sup>(1)</sup>	2x 2x(#2 - 600MCM)	2	8	Cu / Al	3954 <b>4120</b>



ul\_032\_a

(1) To be used to connect 4 wires on one terminal. In such a case, 2 lugs are placed side-by-side on one terminal. Please refer to dimensions diagram

## Characteristics

### Characteristics according to UL 1008

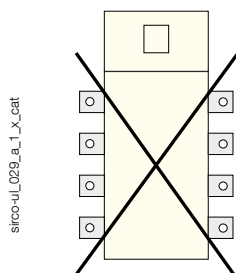
General use rating (A)	100 A	200 A	260 A	400 A	600 A	800 A	1200 A
<b>Frame size</b>	<b>B4</b>		<b>B5</b>		<b>B6</b>	<b>B7</b>	
Operation voltage 2 P - 3/4 P	240/600	240/600	240/600	240/600	-/600	-/600	-/600
<b>Short circuit rating at 600 VAC with fuses (kA)</b>							
Short circuit rating at 600 VAC (kA)	100	100	100	100	100	100	100
Type of fuse	J	J	J	J	L	L	L
<b>Short circuit rating at 600 VAC with "Specific Circuit Breaker" (kA)</b>							
Square D JJ breaker 250 A - 2 P 240 VAC - 3/4 P 480 VAC	65	65	-	-	-	-	-
Schneider Electric NSX-F 160 A - 3/4 P 480 VAC	35	-	-	-	-	-	-
<b>Short circuit rating at 600 VAC with "Any Breaker" (kA)</b>							
Short circuit rating (kA)	10	10	14	14	35	35	35
Short circuit capacity (ms)	25	25	50	50	50	50	50
<b>Rated operational current</b>							
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	600	800	1200
<b>Mechanical endurance</b>							
Endurance (number of operating cycles)	6050	6050	6050	4050	3050	3050	3050
<b>Connection terminals</b>							
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	2x 600MCM	2x 600MCM	4 x 600MCM

### Characteristics according to UL 98/CSA 22.2#4

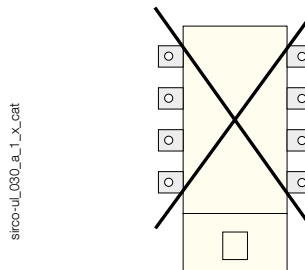
General use rating at 600 VAC and 250 VDC (A)	Specific reference upon request				600 A	800 A	1200 A
<b>Frame size</b>					<b>B6</b>	<b>B7</b>	
Short-circuit rating at 600 VAC (kA)	-	-	-	-	200	100	100
Type of fuse	-	-	-	-	J	L	L
Max. fuse rating (A)	-	-	-	-	600	800	1200
<b>Max. motor, hp / FLA 3 ph motor max.</b>							
220-240 VAC	-	-	-	-	200 / 480	-	-
440-480 VAC	-	-	-	-	400 / 477	-	-
600 VAC	-	-	-	-	500 / 472	-	-
<b>Mechanical characteristics</b>							
Endurance (number of operating cycles)	-	-	-	-	5000	3500	2500
Operating torque (lbs.in/Nm)	-	-	-	-	327.5/37	442.5/50	442.5/50
<b>Auxiliary contacts</b>							
Electrical characteristics	A300	A300	A300	A300	A300	A300	A300

## Mounting orientation

100 to 400 A / B4 - B5



600 to 1200 A / B6 - B7

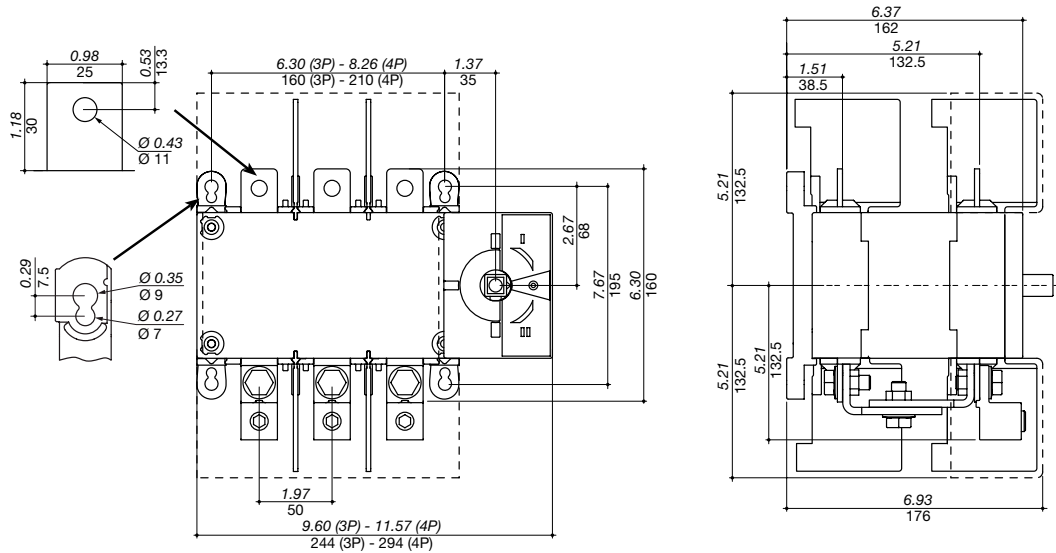


# SIRCOVER UL1008

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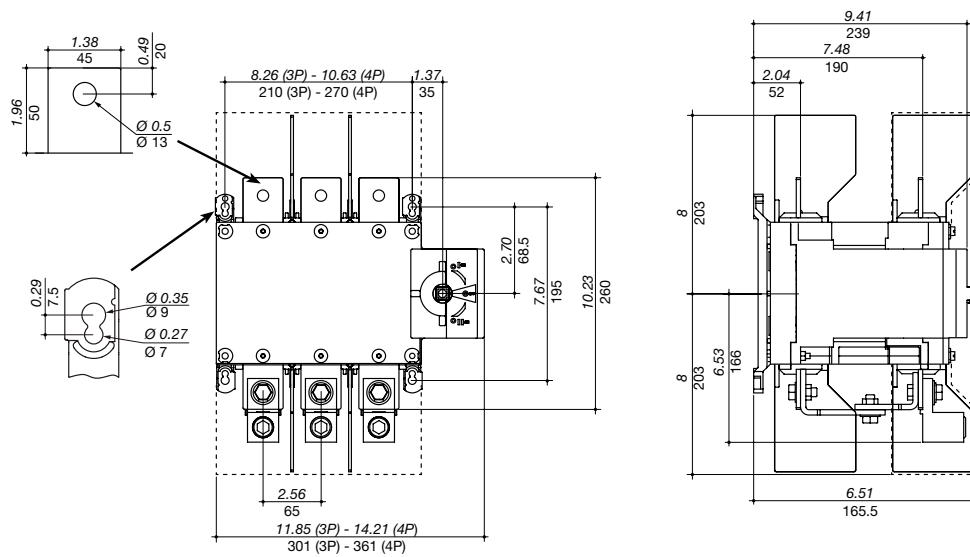
## Dimensions (in/mm)

### 100 to 200 A / B4



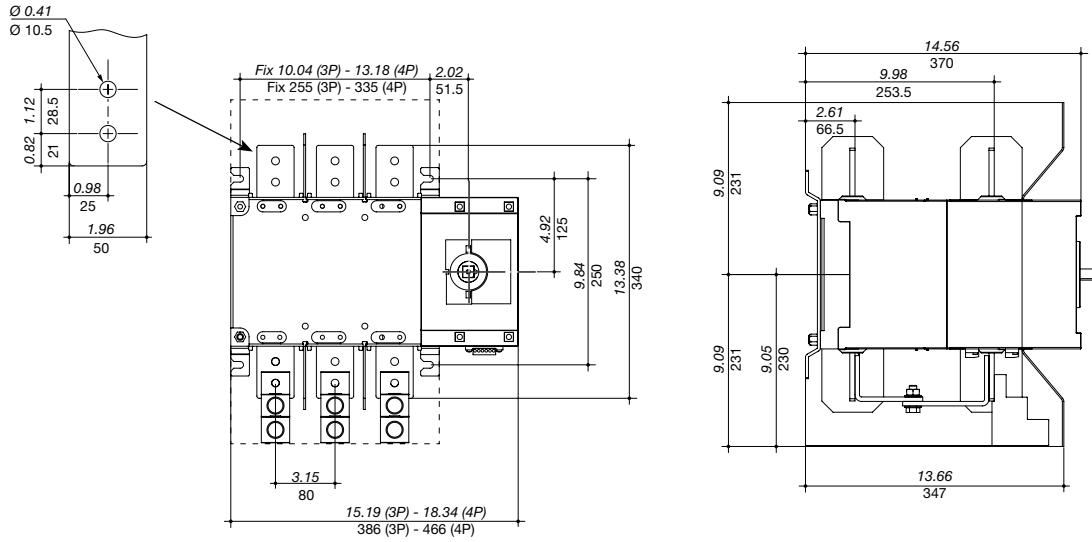
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### 260 to 400 A / B5



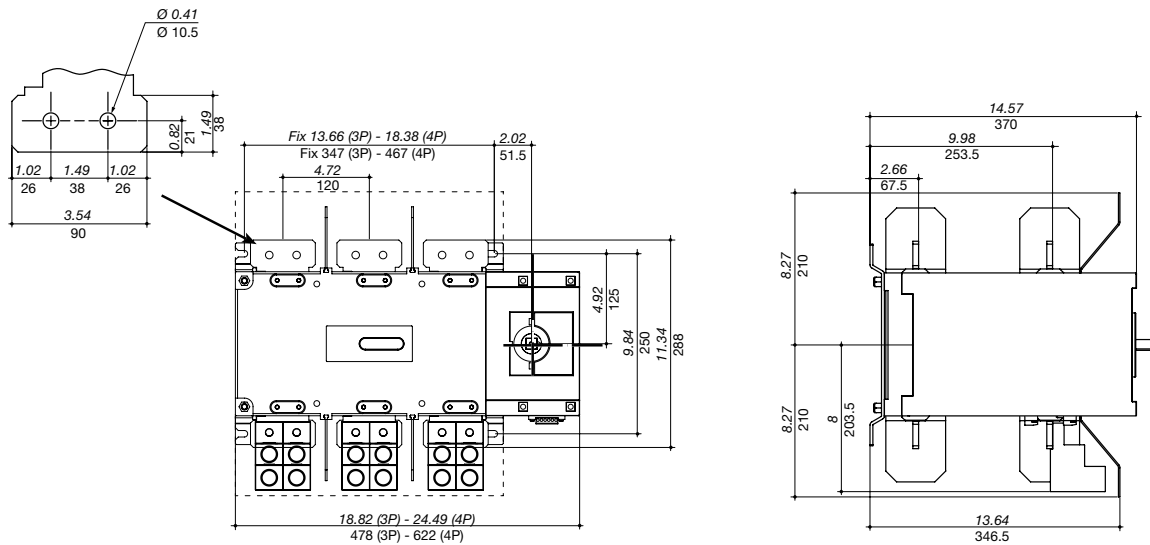
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600 A / B6



svr-ul\_003\_b\_1\_x\_cat

800 to 1200 A / B7



svr-ul\_004\_d\_1\_x\_cat

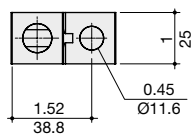


# SIRCOVER UL1008

Manually operated Transfer Switching Equipment  
from 100 to 1200 A

## Terminal lugs (in/mm)

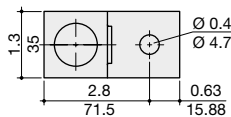
100 to 200 A / B4



300 kcmil

sirco\_115\_b\_1\_us\_cat

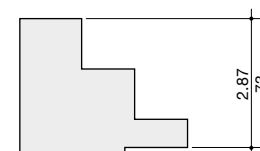
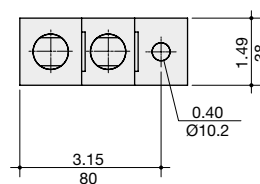
260 to 400 A / B5



600 kcmil

sirco-ul\_010\_a\_1\_us\_cat

600 to 1200 A / B6 - B7



2 x 600 kcmil

sirco\_116\_b\_1\_us\_cat

## External handles dimensions (in/mm)

100 and 200 A / B4

Handle type	Front operation Direction of operation	Door drilling
<b>S2 type</b>  		

poign\_067\_a\_1\_us\_cat

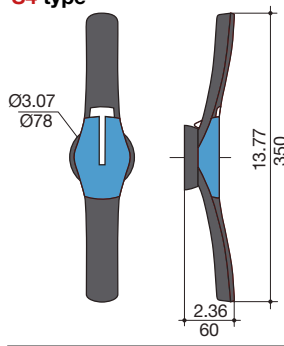
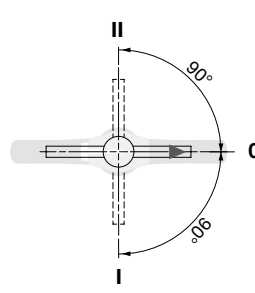
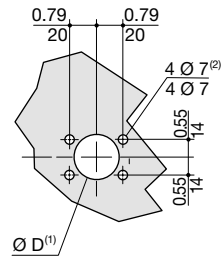
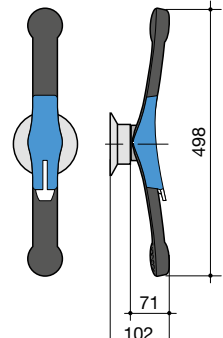
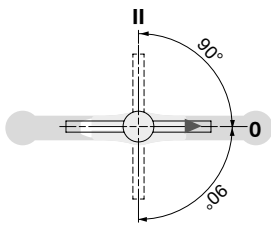
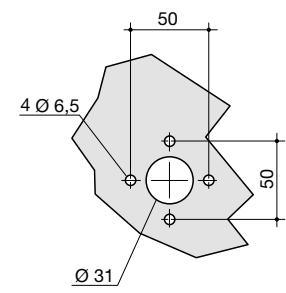
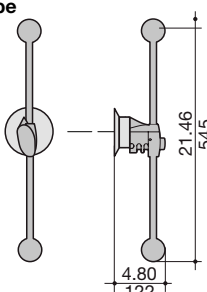
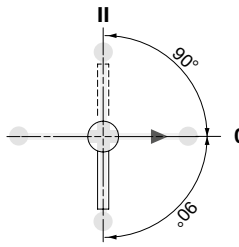
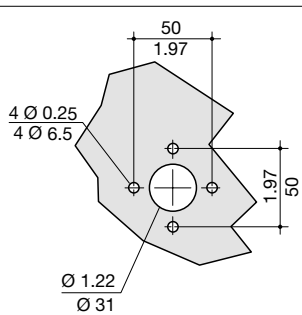
260 and 600 A / B5 - B6

Handle type	Front operation Direction of operation	Door drilling
<b>S3 type</b>  		

poign\_064\_a\_1\_fr\_cat

External handles dimensions (in/mm) (continued)

800 to 1200 A / B7

Handle type	Front operation Direction of operation	Door drilling
<p><b>S4 type</b></p> 		
<p><b>S5 type with V Escutcheon</b></p> 		
<p><b>V1 type</b></p> 		

poign\_065\_a\_1\_gb\_cat

poign\_047\_a\_1\_gb\_cat

poign\_066\_a\_1\_us\_cat