

Accessories

Direct operation handle

SIRCO direct operation handle				
Rating (A) / Frame size	No. of poles	Handle type	Handle colour	Reference
125 ... 160 / B3	3/4 P	B1	Black	2699 5042⁽¹⁾
125 ... 160 / B3	3/4 P	B1	Red	2699 5043
125 ... 160 / B3 _{DS}	6/8 P	B3	Black	4199 5012⁽¹⁾
200 ... 630 / B4-B5	3/4 P	B2	Black	2699 5052⁽¹⁾
200 ... 630 / B4-B5	3/4 P	B2	Red	2699 5053
250 ... 630 / B4 _{DS} -B5 _{DS}	6/8 P	C1	Black	2799 7052⁽¹⁾
250 ... 630 / B4 _{DS} -B5 _{DS}	6/8 P	C1	Red	2799 7053
800 ... 3200 / B6...B8	3/4 P	C2	Black	2799 7012⁽¹⁾
800 ... 3200 / B6...B8	3/4 P	C2	Red	2799 7013
800 ... 1600 / B6 _{DS} -B7 _{DS}	6/8 P	C2	Black	2799 7012⁽¹⁾
800 ... 1600 / B6 _{DS} -B7 _{DS}	6/8 P	C2	Red	2799 7013
4000 ... 5000 / B9	3/4 P	V0	Black	2799 7072⁽¹⁾

(1) Standard.

SIRCO AC direct operation handle				
Rating (A) / Frame size	No. of poles	Handle type	Handle colour	Reference
200 ... CD 630 / B4 ... B5	3/4 P	J1	Black	1112 1111⁽¹⁾
200 ... CD 630 / B4 ... B5	3/4 P	J1	Red	1113 1111
630 ... 1600 / B6 ... B7	3/4 P	J4	Black	1142 1111⁽¹⁾
630 ... 1600 / B6 ... B7	3/4 P	J4	Red	1143 1111
2000 / B8	3/4 P	S5	Black	2799 7042⁽¹⁾
2000 / B8	3/4 P	S5	Red	2799 7043
4000 / B9	3/4 P	V0	Black	2799 7072⁽¹⁾

(1) Standard.



Door interlocked external operation handle

SIRCO and SIRCO AC external front operation handle						
Rating (A) / Frame size		No. of poles	Handle type	Handle colour	External IP ⁽¹⁾	Reference
125 ... 630 / B3 ... B5	200 ... CD 630 / B4 ... B5	3/4 P	S2	Black	IP55	1421 2111⁽²⁾
				Black	IP65	1423 2111
				Red	IP65	1424 2111
				Black	IP55	1421 2111⁽²⁾
125 ... 160 / B3 _{DS}		6/8 P	S2	Black	IP65	1423 2111
				Red	IP65	1424 2111
250 ... 630 / B4 _{DS} -B5 _{DS}		6/8 P	S4	Black	IP65	1443 3111
				Red	IP65	1444 3111
800 ... 1600 / B6 _{DS} -B7 _{DS}		6/8 P	V1	Black	IP65	2799 7145⁽²⁾
				Black	IP65	1443 3111⁽²⁾
800 ... 1800 / B6-B7	630 ... 1600 / B6 ... B7	3/4 P	S4	Black	IP65	1444 3111
				Black	IP65	1444 3111
2000 ... 3200 / B8	2000 / B8	3/4 P	V2	Black	IP65	2799 7136⁽²⁾
				Red	IP65	2799 7134
			S5	Black	IP65	1453 8111
				Red	IP65	1454 8111
4000 ... 5000 / B9	4000 / B9	3/4 P	V0	Black	IP65	2799 7155⁽²⁾

(1) IP: protection degree according to IEC 60529 standard.

(2) Standard.

Use

Door interlocked external operation handles include an escutcheon, are padlockable and must be utilised with an extension shaft.



Accessories

Direct operation handle

For front operation Rating (A)	Handle colour	Reference
ND 125 ... ND 500	Black	3629 7901
630 ... 3150	Black	2799 7012⁽¹⁾
630 ... 3150	Red	2799 7013

(1) Standard.

For side operation Rating (A)	Handle colour	Reference
ND 125 ... ND 500	Black	3629 7901
630 ... 1600	Black	2799 7052
630 ... 1600	Red	2799 7053

Direct side operation escutcheon Rating (A)	External IP	Reference
630 ... 1600	IP54	2799 7070⁽¹⁾

(1) To be ordered together with a direct side operation handle.



External operation handle

For front operation				
Rating (A)	Handle colour	Handle type	External IP ⁽¹⁾	Reference
ND 125 ... ND 500	Black	S2	IP55	1421 2111⁽²⁾
ND 125 ... ND 500	Black	S2	IP65	1423 2111
ND 125 ... ND 500	Red	S2	IP65	1424 2111
630 ... 3150	Black	S4	IP65	1443 3111⁽²⁾
630 ... 3150	Red	S4	IP65	1444 3111

(1) IP: protection degree according to IEC 60529 standard. (2) Standard.

For right side operation				
Rating (A)	Handle colour	Handle type	External IP ⁽¹⁾	Reference
ND 125 ... ND 500	Black	S2	IP55	1425 2111
ND 125 ... ND 500	Red	S2	IP65	1428 2111
630 ... 1600	Black	S3	IP65	1437 3111
630 ... 1600	Red	S3	IP65	1438 3111

(1) IP: protection degree according to IEC 60529.



Shaft guide for external operation

Use

To guide the shaft extension into the external handle. This accessory enables the handle to engage the extension shaft with a misalignment of up to 15 mm.

Required for a shaft length over 320 mm.

Description	Reference
Shaft guide	1429 0000



1500 VDC - Back plate mounting

Rating (A)	Frame size	Number of poles	Switch body	Direct handle	External handle	Shaft for external handle	Quantity to be ordered to connect 2 poles in series
1 PV circuit							
275 A	B5	3 P	27PV 3026	J2 type Black 1122 1111 Red 1123 1111	S2 type ⁽¹⁾ Black IP55 1421 2111	200 mm 1400 1020	1x 2709 0027
400 A	B5	3 P	27PV 3032		Black IP65 1423 2111	320 mm 1400 1032	1x 2709 0045
500 A	B5	3 P	27PV 3039			400 mm 1400 1040	1x 2609 0080
630 A	B5 _{DS}	8 P	26PV 8063	C2 type Black 2799 7012 Red 2799 7013	Red IP65 1424 2111	400 mm 1400 1040	1x 2609 0080
800 A	B6 _{DS}	8 P	26PV 8080		V1 type Black IP65 2799 7145	320 mm 4199 3018	1x 2609 1100
1250 A	B6 _{DS}	8 P	26PV 8120			320 mm 4199 3018	1x 2609 1100
2000 A	B7 _{DS}	8 P	26PV 8200				1x 2609 1200
2 PV circuits							
275 A	B5 _{DS}	6 P	27PV 6026	J2 type Black 1122 1111 Red 1123 1111	S2 type ⁽¹⁾ Black IP55 1421 2111	200 mm 1400 1020	1x 2709 0027
400 A	B5 _{DS}	6 P	27PV 6032		Black IP65 1423 2111	320 mm 1400 1032	1x 2709 0045
500 A	B5 _{DS}	6 P	27PV 6039			400 mm 1400 1040	1x 2709 0045

(1) Defeatable handle.

Accessories

Direct operation handle

Frame size	Handle type	Handle colour	Reference
B4 ... B7	J1	Black	1112 1111
B4 ... B5	J1	Red	1113 1111
B6 ... B7	C2	Black	2799 7012
B6 ... B7	C2	Red	2799 7013
B4 _{DS} ... B5 _{DS}	J2	Black	1122 1111
B4 _{DS} ... B5 _{DS}	J2	Red	1123 1111
B4 _{DS} ... B7 _{DS}	C2	Black	2799 7012
B4 _{DS} ... B7 _{DS}	C2	Red	2799 7013



Door interlocked external operation handle

Use

Door interlocked external operation handles include an escutcheon, are padlockable and must be utilised with an extension shaft. In a combiner box, located close to the solar cell strings, or located close to the inverter, we recommend to use a door interlocked external handle for its safety features.

Example

The locking function of the enclosure in the "ON" position will force the operator to safely disconnect and isolate the solar cell strings prior to any intervention. Opening the door when the switch is on "ON" position is possible by defeating the locking function using a tool (authorised persons only). The interlocking function is restored when the door is re-closed.

Front operation

Frame size	Handle type	Handle colour	Degree of protection	Reference
B4 ... B5 - B4 _{DS}	S2	Black	IP55	1421 2111
B4 ... B5 - B4 _{DS}	S2	Black	IP65	1423 2111
B4 ... B5 - B4 _{DS}	S2	Red	IP65	1424 2111
B5 _{DS} - B6 ... B7	S4	Black	IP65	1443 3111
B5 _{DS} - B6 ... B7	S4	Red	IP65	1444 3111
B8 - B6 _{DS} - B7 _{DS}	V1	Black	IP65	2799 7145



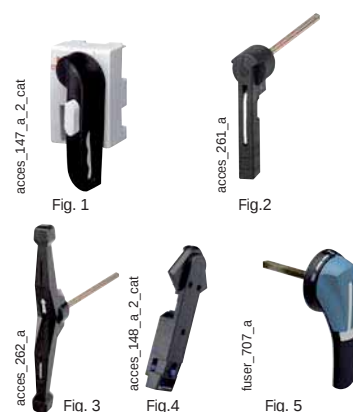
Accessories

Direct operation handle

For front operation				
Rating (A)	Frame size	Figure no.	Handle colour	Reference
20 ... 32	0	1	Black	3629 4012
20 ... 32	0	1	Red	3629 4013
32 ... 400	11 ... 16	2	Black	3629 7910 ⁽¹⁾
630 ... 800	17	2	Black	3899 6011
800 ... 1250	18	3	Black	3899 7011

For right side operation				
Rating (A)	Frame size	Figure no.	Handle colour	Reference
32 ... 63	1/2	4	Black	3629 7900
100 ... 400	3 ... 6	4	Black	3629 7901
630 ... 1250	17 ... 18	5	Black	1437 7911

(1) Direct operation handle for switches 3841 xxxx and 3831 xxxx.



External front operation handle

Padlockable handle in position 0							
Rating (A)	Frame size	Handle type	Handle colour	Operation	External IP ⁽¹⁾	Defeatable handle	Reference
CD 25 ... 63	0/11/12	S1	Black	I - 0	IP55	Yes	1411 2111
CD 25 ... 63	0/11/12	S1	Black	I - 0	IP65	Yes	1413 2111
CD 25 ... 63	0/11/12	S1	Red/Yellow	I - 0	IP65	Yes	1414 2111
CD 25 ... 63	0/11/12	S1	Black	I - 0 - Test	IP65	Yes	1413 2115
CD 25 ... 63	0/11/12	S1	Red/Yellow	I - 0 - Test	IP65	Yes	1414 2115
100 ... 400	13 ... 16	S2	Black	I - 0	IP55	Yes	1421 2111
100 ... 400	13 ... 16	S2	Black	I - 0	IP65	Yes	1423 2111
100 ... 400	13 ... 16	S2	Red/Yellow	I - 0	IP65	Yes	1424 2111
100 ... 400	13 ... 16	S2	Black	I - 0 - Test	IP65	Yes	1423 2115
100 ... 400	13 ... 16	S2	Red/Yellow	I - 0 - Test	IP65	Yes	1424 2115
630 ... 800	17	S3	Black	I - 0	IP65	Yes	1433 3111
630 ... 800	17	S3	Red/Yellow	I - 0	IP65	Yes	1434 3111
800 ... 1250	18	S4	Black	I - 0	IP65	Yes	1443 3111
800 ... 1250	18	S4	Red/Yellow	I - 0	IP65	Yes	1444 3111

(1) IP: protection degree according to IEC 60529 standard.

Padlockable handle in position 0 and I					
Rating (A)	Frame size	Handle type	Handle colour	External IP ⁽¹⁾	Reference
CD 25 ... 63	0/11/12	S1	Black	IP65	1413 2311
100 ... 400	13 ... 16	S2	Black	IP65	1423 2311

(1) IP: protection degree according to IEC 60529 standard.



External right side operation handle

Rating (A)	Frame size	Handle type	Handle colour	External IP ⁽¹⁾	Reference
CD 25 ... 63	0/11/12	S1	Black	IP55	1415 2111
CD 25 ... 63	0/11/12	S1	Black	IP65	1417 2111
CD 25 ... 63	0/11/12	S1	Red/Yellow	IP65	1418 2111
100 ... 400	13 ... 16	S2	Black	IP55	1425 2111
100 ... 400	13 ... 16	S2	Black	IP65	1427 2111
100 ... 400	13 ... 16	S2	Red/Yellow	IP65	1428 2111
630 ... 1250	17/18	S3	Black	IP65	1437 3111
630 ... 1250	17/18	S3	Red/Yellow	IP65	1438 3111

(1) IP: protection degree according to IEC 60529 standard.



FUSERBLOC and high speed fuses (uR)

Fuse combination switches

protection of power semi-conductors up to 1250 A

Accessories

Terminal shrouds for FUSERBLOC fitted fuse blown microswitch

Use

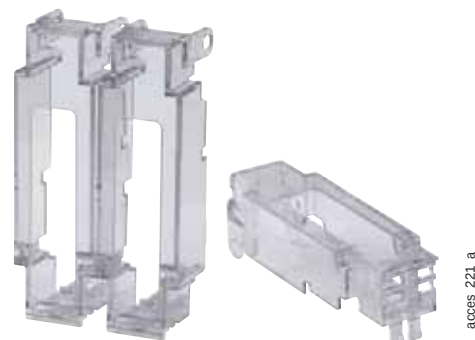
Protection against direct contact with live parts situated in the fuse compartment for FUSERBLOC fitted with uR fuses with fuse blown auxiliary contacts.

Rating (A)	Fuses ⁽¹⁾	No. of poles	Option ⁽²⁾ (factory mounted)	Accessories ⁽³⁾ (customer-mounted)
			References	References
160	00	2 P	3990 7015	3999 7015
160	00	3 P	3990 8015	3999 8015
160	00	4 P	3990 9015	3999 9015
160	0	2 P	3990 7016	3999 7016
160	0	3 P	3990 8016	3999 8016
160	0	4 P	3990 9016	3999 9016
250	1	2 P	3990 7024	3999 7024
250	1	3 P	3990 8024	3999 8024
250	1	4 P	3990 9024	3999 9024
400	2	2 P	3990 7039	3999 7039
400	2	3 P	3990 8039	3999 8039
400	2	4 P	3990 9039	3999 9039
630	3	3 P	3890 8063	3899 8063
630	3	4 P	3890 9063	3899 9063

(1) For the fuses: see "Fuses uR 10 to 2000 A" page 354.

(2) If ordered at the same time as the standard device.

(3) If ordered later.



Other accessories: see "FUSERBLOC" page 264.

FUSERBLOC for uR fuses type K/50

Characteristics

FUSERBLOC V 800 A for BK fuses size 2														
Fuse rating (A)	400	450	500	550	630	700	800	900	1000	1100	1250			
Max. I for the FUSERBLOC (A)	380	420	440	450	500	520	530	530	530	540	550			
FUSERBLOC 1250 A for fuse size 3														
Fuse rating (A)	500	550	630	700	800	900	1000	1100	1250	1400	1500	1600	1800	2000
Max. I for the FUSERBLOC (A)	500	550	620	630	720	790	870	940	1050	1100	1100	1100	1100	1100

References

Front operation

Rating (A) / Fuse	No. of poles	Switch body only ⁽¹⁾	Direct handle	External handle	Shaft for external handle	Fuse protection covers	Auxiliary contact pre-break and position	Terminal shrouds
800 A / 2	3 P	3680 3081	3999 6012	Black IP55 1443 3111 ⁽²⁾ Red / Yellow IP65 1444 3111	200 mm 1400 1220 320 mm 1400 1232	included	Consult us	3998 3063
	4 P	3680 6081						3998 4063
1250 A / 3	3 P	3680 3121						3998 3120
	4 P	3680 6121						3998 4120

(1) Please consult us.

(2) Standard.

FUSERBLOC and high speed fuses (uR)

Fuse combination switches

protection of power semi-conductors up to 1250 A

References (continued)

External right side or front operation

Rating (A) / Fuse	No. of poles	Switch body	External front handle	External side handle	Shaft for external handle	Fuse protection covers	Auxiliary contact pre-break and position	Terminal shrouds						
250 A / 1*	2 P	38U1 2024	S2 type Black IP55 1421 2111 S2 type Red IP65 1424 2111	S2 type Black IP55 1425 2111 S2 type Red/yellow IP65 1428 2111	320 mm 1400 1032	2 P 3990 2839 ⁽¹⁾ 3 P 3990 3839 ⁽¹⁾		2 P 3998 2025 3 P 3998 3025						
	3 P	38U1 3024												
400 A / 1	2 P	38U1 2039							Type S3 Black IP65 1433 3111 S3 type Red/Yellow IP65 1434 3111	S3 type Black IP65 1437 3111 S3 type Red/Yellow IP65 1438 3111	320 mm 1400 1232	2 P 3890 2U63 ⁽¹⁾ 3 P 3890 3U63 ⁽¹⁾	1 contact NC 3999 0701 1 contact NO 3999 0702	2 P 3898 2080 3 P 3898 3080
	3 P	38U1 3039												
500 A / 2	2 P	38U1 2050	S4 type Black IP65 1443 3111 S4 type Red/Yellow IP65 1444 3111			Standard		2 P 3898 2120 3 P 3898 3120						
	3 P	38U1 3050												
630 A / 2	2 P	38U1 2063												
	3 P	38U1 3063												
800 A / 3	2 P	38U1 2080												
	3 P	38U1 3080												
1250 A / 3	2 P	38U1 2120												
	3 P	38U1 3120												

(1) Terminal shrouds for FUSERBLOC fitted fuse blown microswitch.

Accessories

Terminal shrouds for FUSERBLOC fitted fuse blown microswitch

Use

Protection against direct contact with live parts situated in the fuse compartment for FUSERBLOC fitted with uR fuses with fuse blown auxiliary contacts.

Rating (A)	Fuses ⁽³⁾	No. of poles	Option ⁽²⁾ (factory mounted)	Accessories ⁽¹⁾ (customer-mounted)
			Reference	Reference
250... 400	1* / 1	2 P	3990 2839	3999 2839
250... 400	1* / 1	3 P	3990 3839	3999 3839
500 ... 800	2 / 3	2 P	3890 2U63	3899 2U63
500 ... 800	2 / 3	3 P	3890 3U63	3899 3U63
500 ... 800	2 / 3	2 P	3890 2U63	3899 2U63
1250	3	2 P	Standard	Standard
1250	3	3 P	Standard	Standard

(1) If ordered later.

(2) If ordered at the same time as the standard device.

(3) For the fuses: see "Fuses uR 10 to 2000 A" page 354.

Other accessories: see "FUSERBLOC" page 264.



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