FUSERBLOC and high speed fuses (uR)

Fuse load break switches

Protection for power semiconductors up to 1250 A



FUSERBLOC
630 to 1250 A



FUSERBLOC
from 25 to 400 A

The solution for

> Protection for inverters and variable speed drives



Strong points

> Limiting the short-circuit current

Extended range

> For different setups, please contact us (uR 1250 V fuses, 80 mm or 110 mm size notch fuses, different sizes, etc.).

Function

FUSERBLOC fuse combination switches combined with high speed fuses (uR curve) ensure the best operation under load, safe switching and protection for your power semiconductors (dimmers, inverters, etc.).

Advantages

Limiting the short-circuit current
This fuse solution for limiting the short-circuit current is by far the most efficient and economical on the market (uR fuses)

socomec
Innovative Power Solutions

FUSERBLOC for cylindrical uR 690 VAC fuses

Characteristics

FUSERBLOC CD 50 A for 14 x 51 fuses								
Fuse rating (A)	10	12	16	20	25	32	40	50
I max. for FUSERBLOC (A)	10	12	16	20	25	29	36	40
FUSERBLOC CD 125 A for 22 x 58 fuses								
Fuse rating (A)	20	25	32	40	50	63	80	100
I max. for FUSERBLOC (A)	20	25	32	40	50	63	71	85

References

Direct side operation

Rating (A) / Fuse size / Casing size	No. of poles	Case	Direct handle	Auxiliary contact for pre-break and position signalling
50 A / 14 x 51 1	2 P	3615 **2005**	Black 3629 **7900**	1 contact NO/NC 3999 **0021**
	3 P	3615 **3005**		
	4 P	3615 **6005**		
125 A / 22 x 58 3	2 P	3615 **2011**	Black 3629 **7901**	2 contacts NO/NC 3999 **0022**
	3 P	3615 **3011**		
	4 P	3615 **6011**		

Front or right-side external controls

Rating (A) / Fuse size / Casing size	No. of poles	Case	External front handle	External side handle	Shaft for external operation	Auxiliary contact for pre-break and position signalling
50 A / 14 x 51 11	2 P	3831 **2005**	Black IP55 1411 **2111**	Black IP55 1415 **2111**	320 mm 1400 **1032**	1 contact NC 3999 **0701** 1 contact NO 3999 **0702**
	3 P	3831 **3005**				
	4 P	3831 **6005**	Red/Yellow IP65 1414 **2111**	Red / Yellow IP65 1418 **2111**		
125 A / 22 x 58 13	2 P	3831 **2011**	Black IP55 1421 **2111**	Black IP55 1425 **2111**		
	3 P	3831 **3011**				
	4 P	3831 **6011**	Red IP65 1424 **2111**	Red/Yellow IP65 1428 **2111**		

Accessories

For other accessories, see FUSERBLOC.

FUSERBLOC for 690 V AC uR solid knife blade fuses DIN 43620

Characteristics

FUSERBLOC 160 A for fuses size 000 and 00															
Fuse rating (A)	10	16	20	25	32	40	50	63	80	100	125	160	200	250	315
I max. for FUSERBLOC (A)	10	16	20	25	32	32	37	44	51	92	105	121	140	140	140
FUSERBLOC 250 A for fuses size 1*															
Fuse rating (A)				40	50	63	80	100	125	160	200	250	315	350	400
I max. for FUSERBLOC (A)				40	50	63	80	100	125	155	178	205	210	215	220
FUSERBLOC 400 A for fuses size 2															
Fuse rating (A)						200	250	315	350	400	450	500	550	630	700
I max. for FUSERBLOC (A)						120	150	169	210	330	330	340	340	350	350
FUSERBLOC 630 A for fuses size 3															
Fuse rating (A)									500	550	630	700	800	900	1000
I max. for FUSERBLOC (A)									360	380	420	450	480	500	510

References

Direct side operation

Rating (A) / Fuse / Casing size	No. of poles	Case	Direct handle	Pre-break Auxiliary contact and position	Fuse caps
160 A / 00 3	2 P	3615 **2015**	Black 3629 **7901**	1 contact NO/NC 3999 **0021** 2 NO/NC contacts 3999 **0022**	3990 **7015**(1)
	3 P	3615 **3015**			3990 **8015**(1)
	4 P	3615 **6015**			3990 **9015**(1)
160 A / 0 4	2 P	3615 **2016**			3990 **7016**(1)
	3 P	3615 **3016**			3990 **8016**(1)
	4 P	3615 **6016**			3990 **9016**(1)
250 A / 1 5	2 P	3615 **2024**			3990 **7024**(1)
	3 P	3615 **3024**			3990 **8024**(1)
	4 P	3615 **6024**			3990 **9024**(1)
400 A / 2 6	2 P	3615 **2039**			3990 **7039**(1)
	3 P	3615 **3039**			3990 **8039**(1)
	4 P	3615 **6039**			3990 **9039**(1)
630 A / 3 17	2 P	3811 **2063**	Black 3899 **6011**	1 contact NC 3999 **0701** 1 contact NO 3999 **0702**	3990 **7063**(1)
	3 P	3811 **3063**			3890 **8063**(1)
	4 P	3811 **6063**			3890 **9063**(1)

(1) Terminal shrouds for FUSERBLOC devices equipped with auxiliary contacts for fuse blown signal.

External right-side or front control

Rating (A) / Fuse / Casing size	No. of poles	Case	External front handle	External side handle	Shaft for external operation	Auxiliary contact for pre-break and position signalling	Fuse caps
160 A / 00 13	2 P	3831 **2015**	Black IP55 1421 **2111** Red/Yellow IP65 1424 **2111**	Black IP55 1425 **2111** Red/Yellow IP65 1428 **2111**	200 mm 1400 **1020** 320 mm 1400 **1032**	1 contact NC 3999 **0701** 1 contact NO 3999 **0702**	3990 **7015**(1)
	3 P	3831 **3015**					3990 **8015**(1)
	4 P	3831 **6015**					3990 **9015**(1)
160 A / 0 14	2 P	3831 **2016**					3990 **7016**(1)
	3 P	3831 **3016**					3990 **8016**(1)
	4 P	3831 **6016**					3990 **9016**(1)
250 A / 1 15	2 P	3831 **2024**					3990 **7024**(1)
	3 P	3831 **3024**					3990 **8024**(1)
	4 P	3831 **6024**					3990 **9024**(1)
400 A / 2 16	2 P	3831 **2039**					3990 **7039**(1)
	3 P	3831 **3039**					3990 **8039**(1)
	4 P	3831 **6039**					3990 **9039**(1)
630 A / 3 17	2 P	3811 **2063**	Black IP65 1433 **3111** Red/Yellow IP65 1434 **3111**	Black IP65 1437 **3111** Red/Yellow IP65 1438 **3111**	200 mm 1400 **1220** 320 mm 1400 **1232**		3990 **7063**(1)
	3 P	3811 **3063**					3890 **8063**(1)
	4 P	3811 **6063**					3890 **9063**(1)

(1) Terminal shrouds for FUSERBLOC devices equipped with auxiliary contacts for fuse blown signal.

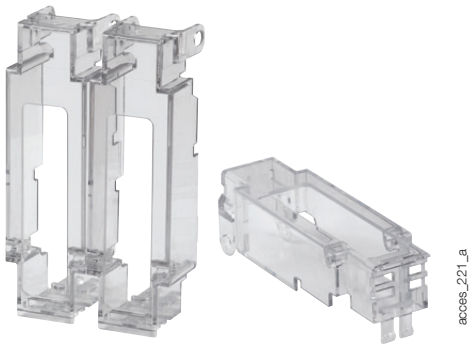
Accessories

Terminal shrouds for FUSERBLOC devices equipped with auxiliary contacts for fuse blown signal.

Use

Protection from direct contact with live parts located in the fuse compartment, for FUSERBLOC devices equipped with uR fuses with auxiliary contacts for fuse blown signal.

			Option[2] (factory fit)	Accessories[3] (client fit)
Rating (A)	**Fuses [1]**	**No. of poles**	**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 fuses, see "uR fuses 10 to 2000 A".
(2) If ordered with the main device.
(3) If otherwise controlled.

For other accessories, see FUSERBLOC.

FUSERBLOC for 690 V AC uR type K/50 fuses

Characteristics

FUSERBLOC V 800 A for BK size 2 fuse														
Fuse rating (A)				400	450	500	550	630	700	800	900	1000	1100	1250
I max. for FUSERBLOC (A)				380	420	440	450	500	520	530	530	530	540	550
FUSERBLOC 1250 A for fuses size 3														
Fuse rating (A)	500	550	630	700	800	900	1000	1100	1250	1400	1500	1600	1800	2000
I max. for 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[1]	Direct handle	External handle	Shaft for external operation	Fuse caps	Auxiliary contact for pre-break and position signalling	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	1 NO/NC 3999 **0051** 2e NO/NC 3999 **0052**	3998 **3063**
	4 P	3680 **6081**						3998 **4063**
1250 A / 3	3 P	3680 **3121**						3998 **3120**
	4 P							3998 **4120**

(1) Please contact us.
(2) Standard.

FUSERBLOC for K/110 uR fuses

Characteristics

FUSERBLOC 250 A for fuses size 1* at 690 VAC(1)																
Fuse rating (A)	40	50	63	80	100	125	160	200	250	315	350	400	450	500	550	630
I max. for FUSERBLOC (A)	40	50	63	80	100	120	140	165	195	215	230	240	240	240	230	240
FUSERBLOC 400 A for fuses size 1* at 690 VAC(1)																
Fuse rating (A)					200	250	315	350	400	450	500	550	630	700	800	900
I max. for FUSERBLOC (A)					145	165	200	220	240	265	290	310	340	370	395	395
FUSERBLOC 500 A for fuses size 2* at 690 VAC(1)																
Fuse rating (A)											400	450	500	550	630	700
I max. for FUSERBLOC (A)											320	345	370	390	425	460
FUSERBLOC 630 A for fuses size 2 at 690 VAC(1)																
Fuse rating (A)												800	900	1000	1100	1250
I max. for FUSERBLOC (A)												495	545	590	610	620
FUSERBLOC 800 A for fuses size 3 at 690 VAC(1)																
Fuse rating (A)			500	550	630	700	800	900	1000	1100	1250	1400	1500	1600	1800	2000
I max. for FUSERBLOC (A)			370	395	440	480	535	590	645	695	760	800	800	800	800	800

FUSERBLOC 1250 A for fuses size 3, contact us.

(1) For uR fuses type K/110 1250 VAC, please contact us.

References

Direct right-side or front control

Rating (A) / Fuse / Casing size	No. of poles	Case	Direct side handle	Direct front handle	Fuse caps	Auxiliary contact for pre-break and position signalling	Terminal shrouds
250 A / 1* / 6	2 P	36U1 **2024**	Black 3629 **7901**		2 P 3990 **2839**(1)	1 contact NO/NC 3999 **0021**	2 P 3998 **2025**
	3 P	36U1 **3024**					
400 A / 1 / 6	2 P	36U1 **2039**			3 P 3990 **3839**(1)		3 P 3998 **3025**
	3 P	36U1 **3039**					
500 A / 2 / 17	2 P	38U1 **2050**	Black 1437 **7911**	Black 3899 **6011**	2 P 3890 **2U63**(1)	1 contact NC 3999 **0701**	2 P 3898 **2080**
	3 P	38U1 **3050**					
630 A / 2 / 17	2 P	38U1 **2063**			3 P 3890 **3U63**(1)	1 contact NO 3999 **0702**	3 P 3898 **3080**
	3 P	38U1 **3063**					
800 A / 3 / 18	2 P	38U1 **2080**					
	3 P	38U1 **3080**					
1250 A / 3 / 18	2 P	38U1 **2120**		Black 3899 **7011**	Standard		3898 **2120**
	3 P	38U1 **3120**					3898 **3120**

(1) Terminal shrouds for FUSERBLOC devices equipped with auxiliary contacts for fuse blown signal.

Part numbers (continued)

External right-side or front control

Rating (A) / Fuse size / Casing size	No. of poles	Case	External front handle	External side handle	Shaft for external operation	Fuse caps	Auxiliary contact for pre-break and position signalling	Terminal shrouds
250 A / 1* / 16	2 P	38U1 **2024**	Type S2 Black IP55 1421 **2111**	Type S2 Black IP55 1425 **2111**	320 mm 1400 **1032**	2 P 3990 **2839**(1)	1 contact NC 3999 **0701**	2 P 3998 **2025**
	3 P	38U1 **3024**				3 P 3990 **3839**(1)	1 contact NO 3999 **0702**	3 P 3998 **3025**
400 A / 1 / 16	2 P	38U1 **2039**	Red IP65 1424 **2111**	Red/Yellow IP65 1428 **2111**				
	3 P	38U1 **3039**						
500 A / 2 / 17	2 P	38U1 **2050**	Type S3 Black IP65 1433 **3111** Red/Yellow IP65 1434 **3111**	Type S3 Black IP65 1437 **3111** Red/Yellow IP65 1438 **3111**	320 mm 1400 **1232**	2 P 3890 **2U63**(1)		2 P 3898 **2080**
	3 P	38U1 **3050**				3 P 3890 **3U63**(1)		3 P 3898 **3080**
630 A / 2 / 17	2 P	38U1 **2063**						
	3 P	38U1 **3063**						
800 A / 3 / 17	2 P	38U1 **2080**						
	3 P	38U1 **3080**						
1250 A / 3 / 18	2 P	38U1 **2120**	Type S4 Black IP65 1443 **3111** Red/Yellow IP65 1444 **3111**			Standard		2 P 3898 **2120**
	3 P	38U1 **3120**						3 P 3898 **3120**

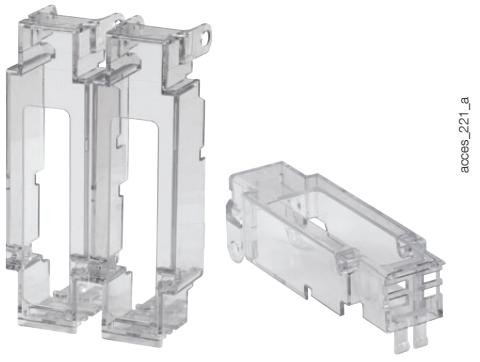
(1) Terminal shrouds for FUSERBLOC devices equipped with auxiliary contacts for fuse blown signal.

Accessories

Terminal shrouds for FUSERBLOC devices equipped with auxiliary contacts for fuse blown signal.

Use

Protection from direct contact with live parts located in the fuse compartment, for FUSERBLOC devices equipped with uR fuses with auxiliary contacts for fuse blown signal.



Rating (A)	Fusibles(3)	No. of poles	Option(2) (factory fit) Reference	Accessories(1) (client fit) 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 otherwise controlled.
(2) If ordered with the main device.
(3) For fuses, see "uR fuses 10 to 2000 A".

For other accessories, see FUSERBLOC.