



Enclosed switches

Fuse combination switches

32 to 800 A

Integrated products
& solutions



FUSERBLOC enclosure 32 to 63A
Painted steel - IP65



FUSERBLOC enclosure 50 to 160A
Polyester - IP55



FUSERBLOC enclosure 100 to 800A
Painted steel - IP65

The solution for

- > OEM
- > Industries
- > Commercial buildings
- > Electrical distribution



Strong points

- > Safe operation
- > Suitable for all kinds of environment
- > Easy setup
- > Extensive range

Compliance with standards

- > IEC 60947-3
- > IEC 60364
- > EN 60947-3
- > EN 61439
- > EN 60204-1



Other products

- > Customised solutions available on request.

Function

Enclosed fuse combination load break switches ensure on-load breaking and making of circuits, protect against overcurrents, and safely isolate all low-voltage electrical circuits by providing protection against contact with live parts and environmental elements, such as dust, water and other hazards.

They enable the shutdown and isolation of the power supply as close to the equipment as possible.

Advantages

Safe operation

- Secures transfer for mechanical or electrical work.
- On-load breaking.
- Ergonomic control lever, available in red/yellow or black.
- Triple lock in OFF position.

Suitable for all kinds of environment

- Insulating enclosure for chemical and food processing applications, indoor or outdoor installation.
- Painted steel for areas at risk of impact.

Easy setup

- Cable access top and/or bottom.
- Pre-drilled cable glands (up to 100 A).
- Removable steel cable glands, top and bottom (> 100 A), aluminium coated (> 630 A).
- Plenty of room for cabling.

Extensive range

- Standard range.
- Customised products on request.

Fuse combination load break switch in isolating enclosure

■ **FUSERBLOC** in polyester enclosure



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General characteristics

- From 50 to 160 A.
- 3 poles, 4 poles.
- DIN fuse protection (For BS, please contact us).
- Black lever (yellow/red on request).
- Triple lock in OFF position.
- Polyester enclosure.
- Screw-on front.
- Colour: RAL 7035.
- Degree of protection: IP55.
- Wall-mounted, 4 brackets included.

Accessories

- Aux contact NO and NC.
- Blown fuse NO/NC auxiliary contact.
- Terminal shroud.

References

Rating (A)	Case	No. of poles	Black lever Reference	Fuse size (NF, NH)	Auxiliary contacts	Terminal shroud	Blown fuse NO/NC auxiliary contact	Enclosure	
								Size	H x W x D (mm)
50	11	3 P	3117 3005	14 x 51	1 NC AC 3999 0701	-	3994 0405	CP 22	270 X 270 X 171
		4 P	3117 4005						
100	13	3 P	3117 3010	22 x 58	1 NO AC 3999 0702	3998 3016	3994 0310	CP 32	360 X 270 X 171
		4 P	3117 4010			3998 4016	3994 0410		
160	14	3 P	3117 3016	0		3998 3016	3994 0316	CP 52	540 X 270 X 171
		4 P	3117 4016			3998 4016	3994 0416	CP 53	540 X 360 X 171

■ **FUSERBLOC** in metallic enclosure



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General characteristics

- From 32 to 800 A.
- 3 poles + solid neutral, 4 poles.
- DIN fuse protection (For BS, please contact us).
- Black lever (yellow/red on request)
- Triple lock in OFF position.
- Painted steel enclosure.
- Door latch system.
- Colour: RAL 7035.
- Pre-drilled cable-in holes at top and bottom.

- Degree of protection: IP65.
- Wall-mounted, 4 brackets included (not available for 32 and 63 A.)

Accessories

- Aux contact NO and NC.
- Blown fuse NO/NC auxiliary contact.
- Terminal shroud.

References

Rating (A)	Case	No. of poles	Handle Black Reference	Fuse size (NF, NH)	Auxiliary contacts	Terminal shroud	Blown fuse NO/NC auxiliary contact	Bracket kit	Enclosure		
									Size	H x W x D (mm)	Cable-in top and bottom (mm)
32	0	3 P + N	3035 5003	14 x 51		-	3994 0303	3031 0011	CT 32a	300 x 250 x 150	Ø 32 + 2 x Ø 50 + Ø 16
		4 P	3035 4003								
63	12	3 P + N	3035 5006	00C			3899 3380		CT 33	300 x 300 x 150	4 x Ø 32 + Ø 16
		4 P	3035 4006								
100	13	3 P + N	3035 5010	22 x 58			3998 3016	3994 0310	CT 43	400 x 300 x 210	180 x 100
		4 P	3035 4010				3998 4016	3994 0410			
160	13	3 P + N	3035 5016	00	1 NC AC 3999 0701		3998 3016	3899 3380	CT 44	400 x 400 x 210	280 x 100
		4 P	3035 4016				3998 4016				
250	15	3 P + N	3035 5025	1	1 NO AC 3999 0702		3998 3025	3994 0325	CT 64	600 x 400 x 250	280 x 100
		4 P	3035 4025				3998 4025	3994 0425			
400	16	3 P + N	3035 5040	2			3998 3040	3994 0440	CT 66	600 x 600 x 300	380 x 100
		4 P	3035 4040				3998 4040	3994 0440			
630	17	3 P + N	3035 5063	3			3998 3080	3994 1306	CT 108	1000 x 800 x 400	660 x 100
		4 P	3035 4063				3998 4080	3994 1406			
800	18	3 P + N	3035 5080	4			3998 3080	3994 1312			
		4 P	3035 4080				3998 4080	3994 1412			

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Characteristics

Electrical features according to IEC 60947-3

Thermal current I_{th} (40 °C)	FUSERBLOC										
	CD 32 A	50 A	63 A	100 A	160 A	160 A	250 A	400 A	630 A	800 A	
NFC/DIN fuse size	14 x 51	14 x 51	00C	22 x 58	00	0	1	2	3	4	
Switch body size for front and side operation	0	11	12	13	13	14	15	16	17	18	
Enclosed thermal current I_{th} (35°C) (A)	32	50	57	100	160	160	240	400	630	800	
Enclosed thermal current I_{th} (50°C) (A)	29	48	52	86	138	138	207	345	544	691	
Rated insulation voltage U_i (V)	800	800	800	800	800	800	800	1000	1000	1000	
Rated impulse withstand voltage U_{imp} (kV)	8	8	8	8	8	8	8	12	12	12	
Rated operational currents I_e (A)											
Rated 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⁾	A/B ⁽¹⁾	A/B ⁽¹⁾
400 VAC	AC-22 A / AC-22 B	32/32	50/50	63/63	100/100	160/160	160/160	250/250	400/400	630/630	800/800
400 VAC	AC-23 A / AC-23 B	32/32	50/50	63/63	100/100	160/160	160/160	250/250	400/400	630/630	800/800
690 VAC	AC-22 A / AC-22 B	32/32	50/50	63/63	100 ⁽²⁾ /100 ⁽²⁾	160 ⁽²⁾ /160 ⁽²⁾	160 ⁽²⁾ /160 ⁽²⁾	250 ⁽²⁾ /250 ⁽²⁾	400/400	500/630	800/800
690 VAC	AC-23 A / AC-23 B	32/32	50/50	63/63	100 ⁽²⁾ /100 ⁽²⁾	125 ⁽²⁾ /125 ⁽²⁾	125 ⁽²⁾ /125 ⁽²⁾	250 ⁽²⁾ /250 ⁽²⁾	315/400	315/400	800/800
Operational power in AC-23 (kW)											
At 400 VAC without pre-break in AC ⁽¹⁾⁽⁵⁾		15/15	25/25	30/30	51/51	80/80	80/80	132/132	220/220	355/355	450/450
At 690 VAC without pre-break in AC ⁽¹⁾⁽⁵⁾		25/25	45/45	55/55	90/90	110/110	110/110	220/220	220/295	295/400	400/400
Reactive power (kvar)											
At 400 VAC ⁽⁵⁾		15	23	28	45	75	75	115	185	290	355
gG DIN fuse protected short-circuit withstand current											
Prospective short-circuit current (kA rms) ⁽⁶⁾		100	100	100	100	50	100	100	100	100	100
Associated fuse rating (A) ⁽⁶⁾		32	50	63	100	160	160	250	400	630	800
Short-circuit operation (switch only)											
Rated peak withstand current (kA peak) ⁽⁶⁾		5.5	7.6	10.6	20	20	22.7	32.5	40	70	80
Connection											
Minimum Cu cable cross-section (mm ²)		2.5	6	10	25	35	50	95	185	2 x 150	-
Minimum Cu cable cross-section (mm ²)		16	25	25	95	95	95	240	240	2 x 300	4 x 185

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

(2) With terminal shrouds or phase barrier.

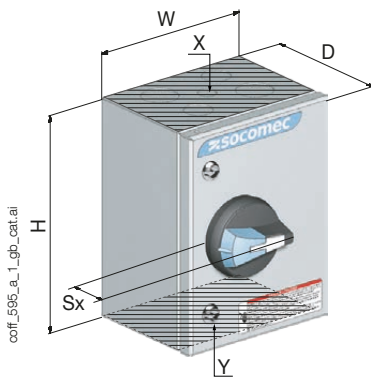
(3) 4-pole device with 2 poles in series per polarity.

(4) The power value is given for information only; the current values vary from one manufacturer to another.

(5) For a rated operational voltage $U_o = 400$ VAC

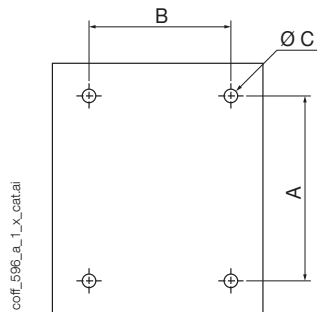
Dimensions

Enclosures



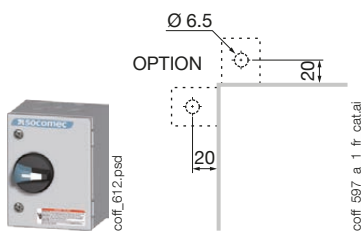
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Size	Type	H x W x D (mm)	Sx (mm)	A (mm)	B (mm)	Ø C (mm)	X - Y Cable-in top and bottom ⁽¹⁾	
CP 22	3	270 x 270 x 171	45	247	247	6.5	-	
CP 32		360 x 270 x 171		337	247			
CP 52		540 x 270 x 171		516	247			
CP 53	540 x 360 x 171	516		337				
CT 32a	300 x 250 x 150	262		212	12.5			Ø 32 + 2 x Ø 50 + Ø 16
CT 33	300 x 300 x 150	262		262				4 x Ø 32 + Ø 16
CT 43	400 x 300 x 210	362		262		180 x 100		
CT 44	400 x 400 x 210	362		362		280 x 100		
CT 64	2	600 x 400 x 250		562	362	12.5	380 x 100	
CT 66		600 x 600 x 300		562	562		380 x 100	
CT 108		1000 x 800 x 400	60	962	762		660 x 100	



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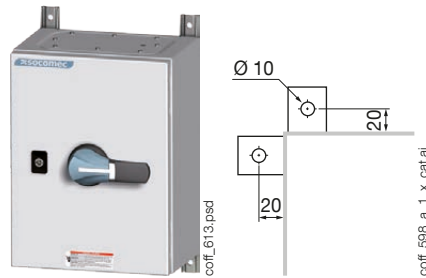
Type 1



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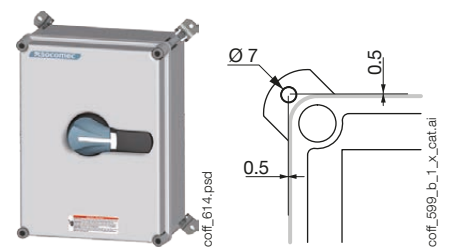
Type 2



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Type 3



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