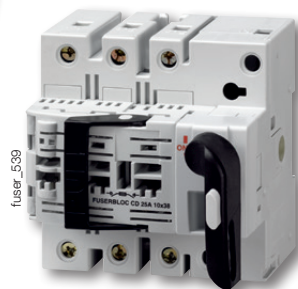


FUSERBLOC

Direct-control fuse combination switches
for industrial fuses up to 400 A



FUSERBLOC
from 50 to 400 A



FUSERBLOC
from 25 to 32 A

Function

The direct-control **FUSERBLOC** is a manually controlled multi-pole fuse combination switch. This control mechanism is suitable for controlling an enclosed device. They make and break on load and provide safety isolation and protection against overcurrent for any low voltage electrical circuit. This range includes direct-control models, with 2, 3 and 4 poles and from 25 to 400A.

Advantages

Improved safety

- Complete isolation of the fuse with double breaking per pole (top and bottom of fuse).
- Positive break indication

High breaking capacity

Protection against overloads and short-circuits thanks to high breaking capacity fuses (100 kA rms).

Specific functionalities for simplified use

- Mechanical or electronic fuse blown detection system (see DDMM or FMD).

The solution for

- > Motor feeders
- > Protection of industrial cabinets



Strong points

- > Improved safety
- > High breaking capacity
- > Specific functionalities for simplified use

Extended range

- > Centred or left side operation, rear connections, plug-in connections.
- Contact us

Compliance with standards

- > IEC 60947-3
- > EN 60947-3
- > BS EN 60947-3
- > NBN EN 60947-3
- > IEC 60269-1
- > DIN EN 60269-1
- > NF EN 60269-1
- > IEC 60269-2
- > GB/T14048.3
- > VDE 0636-1
- > VDE 0660-107
- > UL standards: see FUSERBLOC UL



Approvals and certifications⁽¹⁾



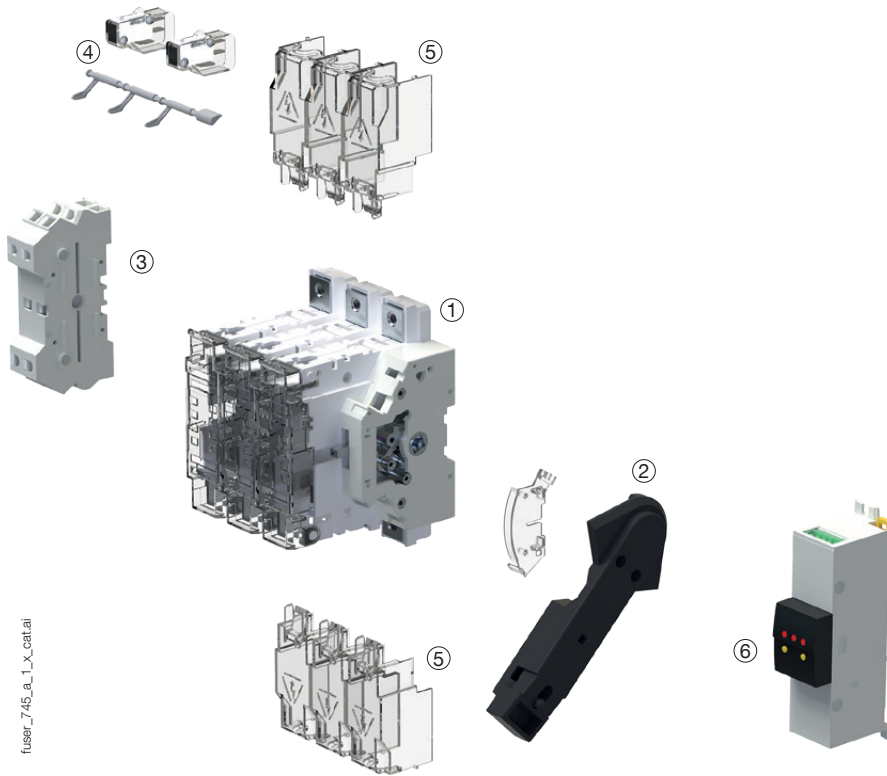
LOVAG



⁽¹⁾ Product references on request.

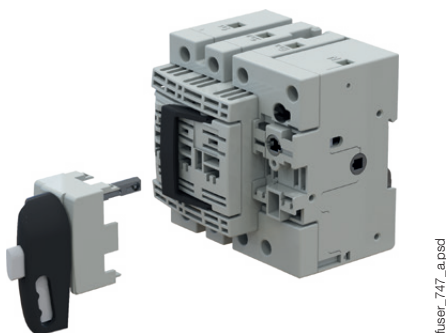
What you need to know

- In addition to the FUSERBLOC rating, product selection also depends on the fuse characteristics and functional specifications, which need to be in accordance with the application. SOCOMEC FUSERBLOC devices are equipped with **NFC/DIN fuses** (for BS fuses, please contact us)



- FUSERBLOC fuse combination switch
- Direct operation handle
- Auxiliary power contacts (position signalling)
- Mechanical fuse melting detection device (DDMM)
- Upstream and downstream terminal shrouds
- Electronic fuse melting detection (FMD) makes it possible to have an automatic supervision or management system. Compatible with BS88, DIN and UL fuses
 - Visual LED signalling
 - Bi-stable relay for automation devices: alarm, tripping, etc.
 - TEST button: test the device is working properly at any time
 - Mounting plate or DIN rail, on door or directly on the FUSERBLOC

- Whether it is 3-pole + switched neutral or 3-pole + solid neutral, the 25 to 32 A FUSERBLOC with **direct** and **external** control is the best compact solution.



FUSERBLOC

Direct-control fuse combination switches
for industrial fuses up to 400 A

References

NFC and DIN - Direct operation 25 to 125 A

Rating (A) / Fuse size / Casing size	No. of poles	Switch body	Direct handle	Auxiliary contact	Terminal shrouds	Electronic fuse blown indication ⁽⁶⁾				
CD 25 A / 10 x 38 / 0	3 P	3631 3002	Black 3629 4012 ⁽¹⁾⁽²⁾	Type A 1 contact NO/NC 3999 0001 ⁽³⁾ Type A 2 contacts NO/NC 3999 0002 ⁽³⁾						
	3 P + switched neutral	3631 4002								
	3 P+ solid neutral	3631 5002								
CD 32 A / 10 x 38 / 0	3 P	3631 3003								
	3 P + switched neutral	3631 4003								
	3 P+ solid neutral	3631 5003								
CD 32 A / 14 x 51 / 0	3 P	3631 3004								
	3 P + switched neutral	3631 4004								
	3 P+ solid neutral	3631 5004								
50 A / 14 x 51 / 1	2 P	3615 2005	Black 3629 7900 ⁽⁵⁾⁽²⁾							
	3 P	3615 3005								
	4 P	3615 6005								
63 A / 00C / 2	2 P	3615 2006								
	3 P	3615 3006								
	4 P	3615 6006								
100 A / 22 x 58 / 3	2 P	3615 2010					Black 3629 7901 ⁽⁵⁾⁽²⁾	Type A 1 contact NO/NC 3999 0021 ⁽³⁾ Type A 2 contacts NO/NC 3999 0022 ⁽³⁾		
	3 P	3615 3010								
	4 P	3615 6010								
125 A / 22 x 58 / 3	2 P	3615 2011								
	3 P	3615 3011								
	4 P	3615 6011								
125 A / 00 / 3	2 P	3615 2012								
	3 P	3615 3012								
	4 P	3615 6012								

(1) Direct front operation.

(2) Standard.

(3) Maximum 2 contacts.

(4) Top or bottom. Provide 2 terminal shrouds for complete upstream and downstream protection.

(5) Direct right side operation.

(6) Mechanical fuse blown auxiliary contact (DDMM), see "Accessories".

FUSERBLOC

Direct-control fuse combination switches
for industrial fuses up to 400 A

NFC and DIN – direct operation 160 to 400 A

Rating (A) / Fuse size / Casing size	No. of poles	Switch body	Direct handle	Auxiliary contact	Terminal shrouds	Electronic fuse blown indication ⁽⁵⁾		
160 A / 00 / 3	2 P	3615 2015	Black 3629 7901 ⁽⁴⁾⁽¹⁾	Type A 1 contact NO/NC 3999 0021 ⁽²⁾ Type A 2 contacts NO/NC 3999 0022 ⁽²⁾	2 P 3998 2016 ⁽³⁾ 3 P 3998 3016 ⁽³⁾ 4 P 3998 4016 ⁽³⁾	3 LED 155 - 260 VAC 3899 3120 3 LED 380 - 690 VAC 3899 3380		
	3 P	3615 3015						
	4 P	3615 6015						
160 A / 0 / 4	2 P	3615 2016	Black 3629 7901 ⁽⁴⁾⁽¹⁾		Type A 1 contact NO/NC 3999 0021 ⁽²⁾ Type A 2 contacts NO/NC 3999 0022 ⁽²⁾		2 P 3998 2025 ⁽³⁾ 3 P 3998 3025 ⁽³⁾ 4 P 3998 4025 ⁽³⁾	3 LED 155 - 260 VAC 3899 3120 3 LED 380 - 690 VAC 3899 3380
	3 P	3615 3016						
	4 P	3615 6016						
250 A / 1 / 5	2 P	3615 2024	Black 3629 7901 ⁽⁴⁾⁽¹⁾	Type A 1 contact NO/NC 3999 0021 ⁽²⁾ Type A 2 contacts NO/NC 3999 0022 ⁽²⁾		2 P 3998 2025 ⁽³⁾ 3 P 3998 3025 ⁽³⁾ 4 P 3998 4025 ⁽³⁾	3 LED 155 - 260 VAC 3899 3120 3 LED 380 - 690 VAC 3899 3380	
	3 P	3615 3024						
	4 P	3615 6024						
400 A / 2 / 6	2 P	3615 2039	Black 3629 7901 ⁽⁴⁾⁽¹⁾		Type A 1 contact NO/NC 3999 0021 ⁽²⁾ Type A 2 contacts NO/NC 3999 0022 ⁽²⁾	2 P 3998 2025 ⁽³⁾ 3 P 3998 3025 ⁽³⁾ 4 P 3998 4025 ⁽³⁾		3 LED 155 - 260 VAC 3899 3120 3 LED 380 - 690 VAC 3899 3380
	3 P	3615 3039						
	4 P	3615 6039						

* From 630A to 1250A, see the section on front/side-control fuse-combination switches.

(1) Standard.

(2) Maximum 2 contacts. Provide 2 terminal shrouds for complete upstream and downstream protection.

(3) Top or bottom.

(4) Direct right side operation.

(5) Mechanical fuse blown auxiliary contact (DDMM), see "Accessories".

FUSERBLOC

Direct-control fuse combination switches
for industrial fuses up to 400 A

Accessories

Direct operation handle

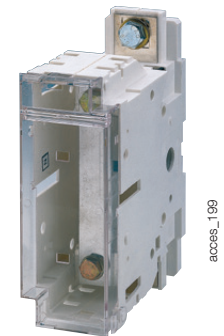
Front operation				
Rating (A)	Frame size	Figure N°	Handle colour	References
20 - 32	0	1	Black	3629 4012
20 - 32	0	1	Red	3629 4013

Right side operation				
Rating (A)	Frame size	Figure N°	Handle colour	References
32 - 63	1/2	4	Black	3629 7900
100 - 400	3 ... 6	4	Black	3629 7901



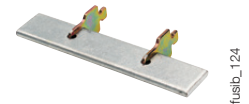
Solid neutral module

Rating (A)	Frame size	I _{max} (A)	Distance (mm)	Reference
50	1	50	27	3629 9227
63	2	63	32	3629 9232
100 ... 160	3	160	36	3629 9236
160	4	160	50	3629 9250
250	5	250	60	3629 9260
400	6	400	66	3629 9266



Solid neutral link

NFC and DIN devices				
Rating (A)	Frame size	Fuse size	I _{max} (A)	Reference
50	1	14 x 51	50	6029 0000
100 ... 125	3	22 x 58	125	6039 0000
63 ... 160	2/3	00C / 00	160	6420 0000
160	4	0	160	6421 0000
250	5	1	250	6421 0001
400	6	2	400	6421 0002



Type A auxiliary contacts

Use

Pre-break and position 0 and I signalling by 1 or 2 NO/NC auxiliary contacts.
For low level use, specific auxiliary contacts: please contact us.

References

NO / NC auxiliary contacts			
Rating (A)	Frame size	Contact	Reference
CD 25 ... CD 32	0	1	3999 0001
CD 25 ... CD 32	0	2	3999 0002
50 ... 400 ⁽¹⁾	1 ... 6	1	3999 0021⁽²⁾
50 ... 400 ⁽¹⁾	1 ... 6	2	3999 0022⁽²⁾

(1) Side direct operation switch only.

(2) Type A auxiliary contacts cannot be mounted in conjunction with an integrated solid neutral.

Characteristics

Rating (A)	Current Nominal (A)	Rated operational current (A)			
		250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
CD 25 ... 400	16	4	2	12	2

Connection to the control circuit

By 6.35 mm fast-on terminal.

Electrical characteristics

30,000 operations.



Locking the fuse protection hood for direct-control devices

Use

On NFC and DIN, side direct operation, opening of the fuse protection cover is not possible when FUSERBLOC is engaged (position I).

Rating (A)	Frame size	Fuse size	No. of poles	Reference
63	2	00C	2 / 3 / 4	3999 8906
100 ... 125	3	22 x 58	2 / 3 / 4	3999 8912
125 ... 160	3	00	2 / 3 / 4	3999 8912
160	4	0	2 P	3999 8216
160	4	0	3 P	3999 8316
160	4	0	4 P	3999 8416
250	5	1	2 P	3999 8225
250	5	1	3 P	3999 8325
250	5	1	4 P	3999 8425
400	6	2	2 P	3999 8240
400	6	2	3 P	3999 8340
400	6	2	4 P	3999 8440

Terminal shrouds

Use

Top or bottom IP20 protection (on the front) against direct contact with terminals or connection parts.

2 sets required to fully shroud both incoming and outgoing terminals.

Rating (A)	Frame size	Position	No. of poles	Reference
100 ... 160	3/4	Upstream/downstream	2 P	3998 2016
100 ... 160	3/4	Upstream/downstream	3 P	3998 3016
100 ... 160	3/4	Upstream/downstream	4 P	3998 4016
250 - 400	5/6	Upstream/downstream	2 P	3998 2025
250 - 400	5/6	Upstream/downstream	3 P	3998 3025
250 - 400	5/6	Upstream/downstream	4 P	3998 4025



fuser_314

FUSERBLOC

Direct-control fuse combination switches
for industrial fuses up to 400 A

Accessories (continued)

DDMM auxiliary contact for devices with DIN fuse with striker

Use

For fuse cartridge with striker (size 14 x 51; 22 x 58; 0; 1; 2; 3 and 4).

Electrical principle

NO/NC auxiliary contact detects fuse blowing.

Connection to the control circuit

By 6.35 mm fast-on terminal.

Mechanical characteristics

30,000 operations.

References

NO/NC type auxiliary contacts for 2 poles				
Rating (A)	Frame size	Fuses	Contact	Reference
50	1	14 x 51	1 st	3994 0405
100 ... 125	3	22 x 58	1 st	3994 0210
160	4	NH0	1 st	3994 0216
250 - 400	5/6	NH1-NH2	1 st	3994 0225

NO/NC type auxiliary contacts for 3 poles				
Rating (A)	Frame size	Fuses	Contact	Reference
CD 32	0	14 x 51	1 st	3994 0303
50	1	14 x 51	1 st	3994 0405
100 ... 125	3	22 x 58	1 st	3994 0310
160	4	NH0	1 st	3994 0316
250 - 400	5/6	NH1-NH2	1 st	3994 0325
50 ... 250			2:	3994 1901
400	6		2:	3994 1902

NO/NC type auxiliary contacts for 4-pole or 3-pole + neutral				
Rating (A)	Frame size	Fuses	Contact	Reference
50	1	14 x 51	1 st	3994 0405
100 ... 125	3	22 x 58	1 st	3994 0410
160	4	NH0	1 st	3994 0416
250 - 400	5/6	NH1-NH2	1 st	3994 0425
50 ... 250			2:	3994 1901

Characteristics

Rating (A)	Current Nominal (A)	Rated operational current (A)			
		250 VAC AC-13	400 VAC AC-13	24 VDC DC-13	48 VDC DC-13
CD 32 ... 1250	16	4	3	12	2

Electronic fuse blown indication (FMD)

Use

For BS88, DIN and UL fuse cartridge, with or without striker.

Principle

The Fuse Melting Device (FMD) detects fuse blowing using a bistable relay and a signalling LED. It can be mounted on a DIN rail, a back plate, next to the FUSERBLOC, or on the door.

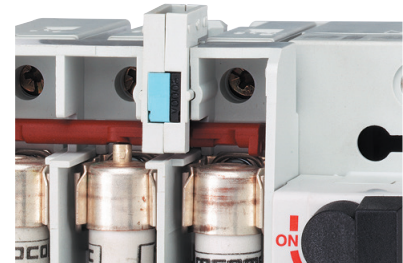
References

For FUSERBLOC 63 to 1250 A - size 000 to 4		
No. of LEDs	Ph/Ph operational voltage	Reference
3	120 - 260 VAC	3899 3120
3	380 - 690 VAC	3899 3380

Accessories		Reference
Kit to connect accessories	Standard	3819 9120
Kit to connect accessories	Door mounted	3829 9120

Relay characteristics

Rating (A)	Relay operational current I _c (A)	
	AC-15	DC-13
63 - 1250	2.5 A	0.2



fuser_311

DDMM for cylindrical fuses



fuser_312

DDMM for NH fuses



access_310
3-LED version

Key handle interlocking system

Use

- Locking in position 0 of the direct, front or right side operation:
- using a padlock (not supplied) in direct right side operation: available as standard on the handle,
- using a padlock (not supplied): right-side or front operation switch from 50 to 1250 A, integrated as standard
- using a lock (not supplied) in external operation.

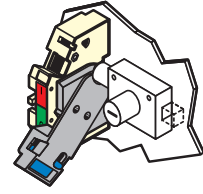


Fig. 1

access_042_a_1_x_cat

Locking using RONIS EL 11 AP lock (not supplied)

Rating (A)	Frame size	Command	Figure N°	Reference
50 ... 63	1/2	direct	1	3629 7903
100 - 400	3 ...6	direct	1	3629 7913

Label

Use

Customisable self-adhesive label allowing identification of the devices.

Dimensions W x H (mm)	To be ordered in multiples of	Reference
18 x 13	50	7769 9999



access_044

FUSERBLOC

Direct-control fuse combination switches

for industrial fuses up to 400 A

Characteristics according to IEC 60947-3

25 to 125 A

References	3631 x002	3631 x003	3631 x004	3615 x005	3615 x006	3615 x010	3615 x011	3615 x012
Type	CD 25 A	CD 32 A	CD 32 A	Mod. 50 A	Mod. 63 A	Mod. 100 A	Mod. 125 A	Mod. 125 A
Frame size	0	0	0	1	2	3	3	3
Casing pitch per power pole (mm)	-	-	-	27	32	36	36	36
Number of poles	3, 4(NC), 4(NP)	3, 4(NC), 4(NP)	3, 4(NC), 4(NP)	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4
Rated thermal current I _{th} (35 °C)	25 A	32 A	32 A	50 A	63 A	100 A	125 A	125 A
NFC/DIN fuse size	NFC 10 x 38	NFC 10 x 38	NFC 14 x 51	NFC 14 x 51	NH000	NFC 22 x 58	NFC 22 x 58	NH00
Rated operational voltage U _e (V)	690 V	690 V	690 V	690 V	690 V	690 V	690 V	690 V
Rated insulation voltage U _i (V)	800	800	690	800	800	800	800	800
Rated impulse withstand voltage U _{imp} (kV)	8	8	8	8	8	8	8	8
Short-circuit characteristics								
Prospective short-circuit current at U _e 400/415V AC (kA rms)	100	100	100	100	100	100	100	50
Prospective short-circuit current at U _e 660/690V AC (kA rms)	100	100	-	100	100	100	100	50
Rated peak withstand current in I _{cc} U _e 415 V AC (kA peak) (single switch)	5.5	5.5	5.5	5.52	7.3	11.9	13.6	-
Rated peak withstand current in I _{cc} U _e 690 V AC (kA peak) (single switch)	5.2	6.1	-	6.5	7.3	15.8	20.4	10.4
Rated operational current (A)								
Nominal voltage	Operating category	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾
415 V CA	AC 21 A / AC 21 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
415 V CA	AC 22 A / AC 22 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
415 V CA	AC 23 A / AC 23 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
500 V CA	AC 21 A / AC 21 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
500 V CA	AC 22 A / AC 22 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
500 V CA	AC 23 A / AC 23 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
690 V CA	AC 20 A / AC 20 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
690 V CA	AC 21 A / AC 21 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
690 V AC ⁽²⁾	AC 22 A / AC 22 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
690 V AC ⁽²⁾	AC 23 A / AC 23 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
220 V DC	DC 21 A / DC 21 B	-/25	-/32	-/32	-	-/63	100/100	100/100
220 V DC	DC 22 A / DC 22 B	-/25	-/32	-/32	-	-	100/100	100/100
220 V DC	DC 23 A / DC 23 B	-/25 ⁽³⁾	-/25 ⁽³⁾	-/25 ⁽³⁾	-	-	100/100	100/100
440 V DC	DC 21 A / DC 21 B	-	-	-	-	-/63 ⁽⁴⁾	100 ⁽⁴⁾ /100 ⁽⁴⁾	100 ⁽⁴⁾ /100 ⁽⁴⁾
440 V DC	DC 22 A / DC 22 B	-	-	-	-	-	100 ⁽⁴⁾ /100 ⁽⁴⁾	100 ⁽⁴⁾ /100 ⁽⁴⁾
440 V DC	DC 23 A / DC 23 B	-	-	-	-	-	100 ⁽⁴⁾ /100 ⁽⁴⁾	100 ⁽⁴⁾ /100 ⁽⁴⁾
Rated operational power in AC-23 (kW)								
At U _e 415 VAC without pre-break auxiliary contact ⁽¹⁾⁽⁵⁾		11/11	15/15	15/15	25/25	30/30	51/51	63/63
At U _e 690 VAC without pre-break auxiliary contact ⁽¹⁾⁽⁵⁾		22/22	25/25	25/25	45/45	55/55	90/90	90/90
Reactive power (kvar)								
At U _e 415 VAC ⁽⁵⁾		11	15	15	23	28	45	55
Dissipated power (W / pole)								
Dissipated power		3.1	4.1	5.9	7.3	8.4	14.5	19.9
Power dissipated by fuse		2.4	2.9	4.3	4.6	6	9	11
Power dissipated by switch body		0.7	1.2	1.6	2.45	4.35	6.8	8.63
Wiring capacity of conductors								
Minimum Cu cable cross-section (mm ²)		2.5	2.5	2.5	6	10	25	35
Minimum Cu cable cross-section (mm ²)		16	16	16	25	25	95	95
Maximum busbar width (mm)		-	-	-	-	-	20	20
Min. tightening torque (Nm)		2	2	2	3	3	9	9
Mechanical characteristics								
Durability (number of operating cycles)		10 000	10 000	10 000	10 000	10 000	10 000	10 000
Operating torque (Nm)		4.1	4.1	4.1	8.7	8.7	9.7	10.2
Weight of a 3-pole device without extras (kg)		0.48	0.48	0.50	0.80	1	1.5	1.5
Weight of a 4-pole device without extras (kg)		0.50	0.50	0.52	1	1.3	2	2
Weight of 1 P extra (kg)		-	-	-	0.2	0.3	0.5	0.5
Storage temperature (°C)		-50 ... +85						
Operating temperature (°C)		-20 ... +70						
Regulatory compliance		IEC 60947-3						
Certification		IEC, KEMA, Lloyd's and CCC						
Degree of pollution		3	3	3	3	3	3	3

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

(2) With terminal shrouds or phase barrier.

(3) 3-pole device with 2 poles in series for the '+' and 1 pole for the '-'.
(4) 4-pole device with 2 poles in series per polarity.

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

(6) For a rated operational voltage U_e = 400 VAC

160 to 400 A

References	3615 x015	3615 x016	3615 x024	3615 x039		
Type	Mod. 160 A	Mod. 160 A	Mod. 250 A	Mod. 400 A		
Frame size	3	4	5	6		
Casing pitch per power pole (mm)	36	50	60	66		
Number of poles	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4		
Rated thermal current I_{th} (35 °C)	160 A	160 A	250 A	400 A		
NFC/DIN fuse size	NH00	NH0	NH1	NH2		
Rated operational voltage U_e (V)	690 V	600 V	690 V	690 V		
Rated insulation voltage U_i (V)	800	800	800	1,000		
Rated impulse withstand voltage U_{imp} (kV)	8	8	8	12		
Short-circuit characteristics						
Prospective short-circuit current at U_e 400/415V AC (kA rms)	50	100	100	50		
Prospective short-circuit current at U_e 660/690V AC (kA rms)	50	50	50	50		
Rated peak withstand current in I_{cc} U_e 415 V AC (kA peak) (single switch)	18.95	22.66	23.9	33.5		
Rated peak withstand current in I_{cc} U_e 690 V AC (kA peak) (single switch)	13.5	14	29	29.9		
Rated operational current (A)						
Nominal voltage	Operating category		A/B⁽¹⁾	A/B⁽¹⁾	A/B⁽¹⁾	A/B⁽¹⁾
415 V CA	AC 21 A / AC 21 B		160/160	160/160	250/250	400/400
415 V CA	AC 22 A / AC 22 B		160/160	160/160	250/250	400/400
415 V CA	AC 23 A / AC 23 B		160/160	160/160	250/250	400/400
500 V CA	AC 21 A / AC 21 B		160/160	160/160	250/250	-/400
500 V CA	AC 22 A / AC 22 B		160/160	160/160	250/250	-/400
500 V CA	AC 23 A / AC 23 B		160/160	160/160	250/250	-
690 V CA	AC 20 A / AC 20 B		160/160	160/160	250/250	400/400
690 V CA	AC 21 A / AC 21 B		160/160	160/160	250/250	-/400
690 V AC ⁽²⁾	AC 22 A / AC 22 B		160/160	160/160	250/250	-/400
690 V AC ⁽²⁾	AC 23 A / AC 23 B		125/125	125/125	250/250	250/315
220 V DC	DC 21 A / DC 21 B		160/160	160/160	250/250	-
220 V DC	DC 22 A / DC 22 B		160/160	160/160	250/250	-
220 V DC	DC 23 A / DC 23 B		125/125	125/125	200/200	-
440 V DC	DC 21 A / DC 21 B		160 ⁽³⁾ /160 ⁽³⁾	160 ⁽³⁾ /160 ⁽³⁾	250 ⁽³⁾ /250 ⁽³⁾	-
440 V DC	DC 22 A / DC 22 B		160 ⁽³⁾ /160 ⁽³⁾	160 ⁽³⁾ /160 ⁽³⁾	250 ⁽³⁾ /250 ⁽³⁾	-
440 V DC	DC 23 A / DC 23 B		125 ⁽³⁾ /125 ⁽³⁾	125 ⁽³⁾ /125 ⁽³⁾	200 ⁽³⁾ /200 ⁽³⁾	-
Rated operational power in AC-23 (kW)						
At U_e 415 VAC without pre-break auxiliary contact ⁽¹⁾⁽⁵⁾	80/80	80/80	132/132	220/220		
At U_e 690 VAC without pre-break auxiliary contact ⁽¹⁾⁽⁵⁾	110/110	110/110	220/220	220/295		
Reactive power (kvar)						
At U_e 415 VAC ⁽⁵⁾	75	75	115	185		
Dissipated power (W / pole)						
Dissipated power	21.6	23	41.1	57.4		
Power dissipated by fuse	12	15	23	33		
Power dissipated by switch body	10.4	10.4	19	24.4		
Wiring capacity of conductors						
Minimum Cu cable cross-section (mm ²)	35	50	95	185		
Minimum Cu cable cross-section (mm ²)	95	95	240	240		
Maximum busbar width (mm)	20	20	32	45		
Min. tightening torque (Nm)	9	9	20	20		
Mechanical characteristics						
Durability (number of operating cycles)	10 000	10 000	10 000	10 000		
Operating torque (Nm)	10.2	9.7	13	17		
Weight of a 3-pole device without extras (kg)	1.8	1.8	3.2	4.8		
Weight of a 4-pole device without extras (kg)	2.3	2.3	4.5	6.1		
Weight of 1 P extra (kg)	0.5	0.5	1.3	1.3		
Storage temperature (°C)	-50 ...+85					
Operating temperature (°C)	-20...+70					
Regulatory compliance	IEC 60947-3					
Certification	IEC, KEMA, Lloyd's and CCC					
Degree of pollution	3	3	3	3		

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

(2) With terminal shrouds or phase barrier.

(3) 3-pole device with 2 poles in series for the '+' and 1 pole for the '-'.
(4) 4-pole device with 2 poles in series per polarity.

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

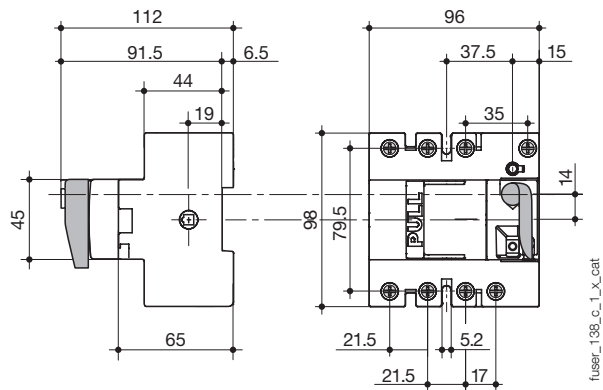
(6) For a rated operational voltage $U_e = 400$ VAC

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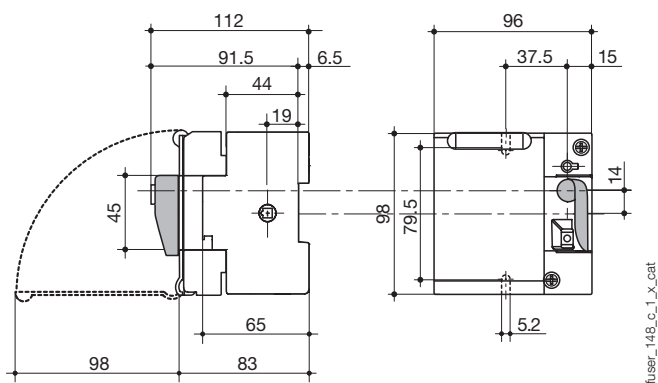
Direct-control fuse combination switches
for industrial fuses up to 400 A

Dimensions - direct operation

25 A (size 10 x 38)



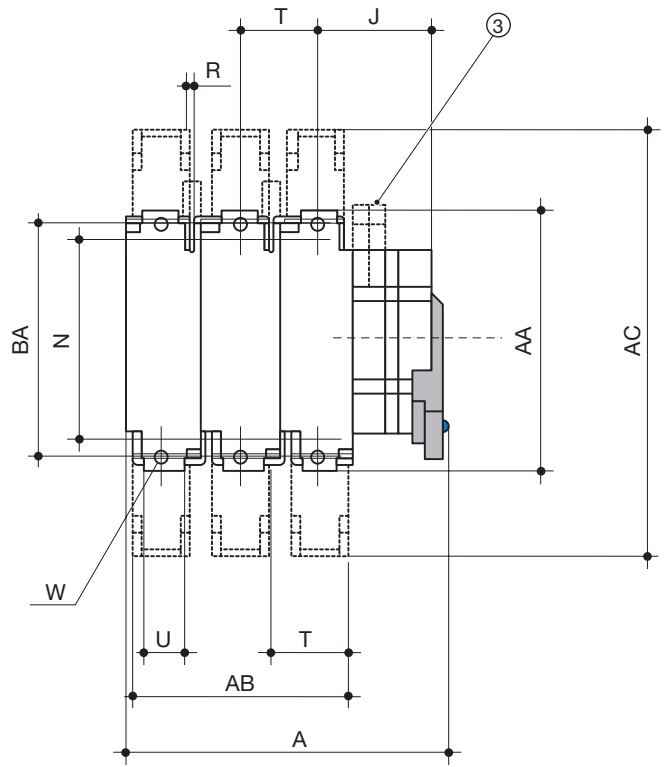
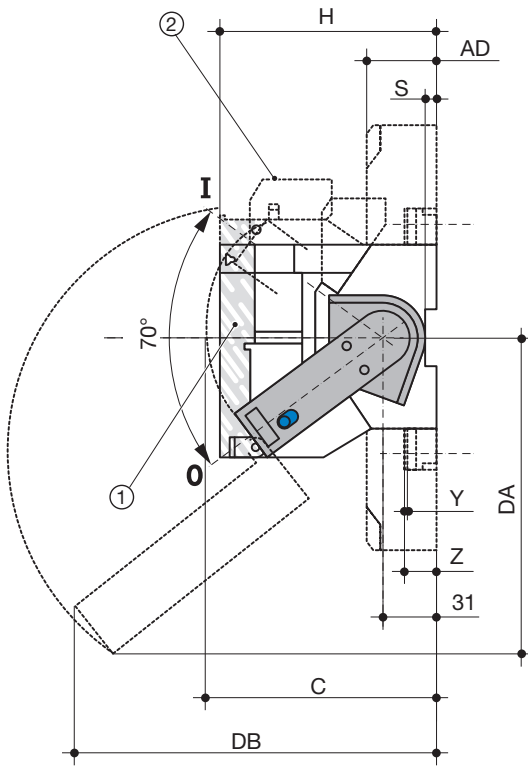
32 A (size 14 x 51)



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Direct-control fuse combination switches
for industrial fuses up to 400 A

50 to 400 A



fuser_064_b_1_gb_cat

1. Protection screen lockable in position I
2. 1 or 2 auxiliary contacts type DDMM
3. 1 or 2 auxiliary contacts type A

Rating (A)	Fuse size	Frame size	Overall dimensions			Terminal shrouds				Case				Switch mounting				Connection						
			A 3p.	A 4p.	C	AB 3p.	AB 4p.	AC	AD	H	J	DA	DB	N	R	S	T	U	W	Y	Z	AA	BA	
50	14 x 51	1	118	145	134					87	33.5			106	5.4	6.5	27						118	
63	00C	2	133	165	134					116	36	159	145	106	5.4	6.5	32						118	
100	22 x 58	3	150	186	173	108	144	268	44	116	38			127	5.4		36	20	8.5	2.5	19.5	162	141	
125	22 x 58	3	150	186	173	108	144	268	44	116	38			127	5.4		36	20	8.5	2.5	19.5	162	141	
125	00	3	150	186	173	108	144	268	44	126	38	141	193	127	5.4		36	20	8.5	2.5	19.5	162	141	
160	00	3	150	186	173	108	144	268	44	126	38	141	189	127	5.4		36	20	8.5	2.5	19.5	162	141	
160	0	4	192	242	173	136	172	268	44	136	45	174	229	140	5.4		50	20	8.5	2.5	19.5	162	141	
250	1	5	253	313	173	180	240	345	65	146	81	185	251	162	6.4		60	32	11	2.5	19.5	195	166	
400	2	6	271	337	173	192	258	355	65	149	86	200	260	172	6.4		66	50	11	3	20	205	175	