

# FUSERBLOC NFC/DIN

## Fuse combination switches

for fuses up to 1250 A



**FUSERBLOC**  
630 to 1250 A

### The solution for

- > Data centres
- > Healthcare
- > Industry
- > Buildings

### Strong points

- > Optimum safety
- > High breaking capacity
- > Multi-use
- > Simplified use

### Conformity to standards

- > IEC 60947-3
- > IEC 60269-1
- > IEC 60269-2



### Approvals and certifications<sup>(1)</sup>

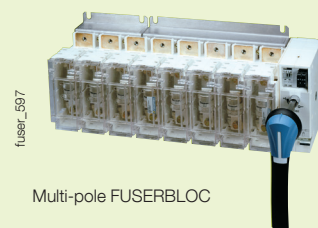


LOVAG



<sup>(1)</sup> Product part numbers on request.

### Customised solutions



Multi-pole FUSERBLOC

## Function

**FUSERBLOC NFC/DIN** are manually operated multipolar fuse combination switches.

They make and break on load and provide safety isolation and protection against overcurrent for any low voltage electrical circuit.

This range is available in right front-side, left side and central front, direct or external operation, with 2, 3 and 4 poles and up to 1250 A.

## Advantages

### Optimum safety

Complete isolation of the fuse with double breaking per pole (top and bottom of fuse) and positive break indication keep people and equipment protected from overcurrent.

### High breaking capacity

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

### Multi-use

Fuserbloc can be equipped with a front or side operation handle, mounted directly on the product, or externally on the door or on the side of an electrical enclosure or cabinet.

### Simplified use

TEST position for testing control circuits without energising the power poles using U-type auxiliary contacts. In TEST position, the enclosure door can be opened.

## General characteristics

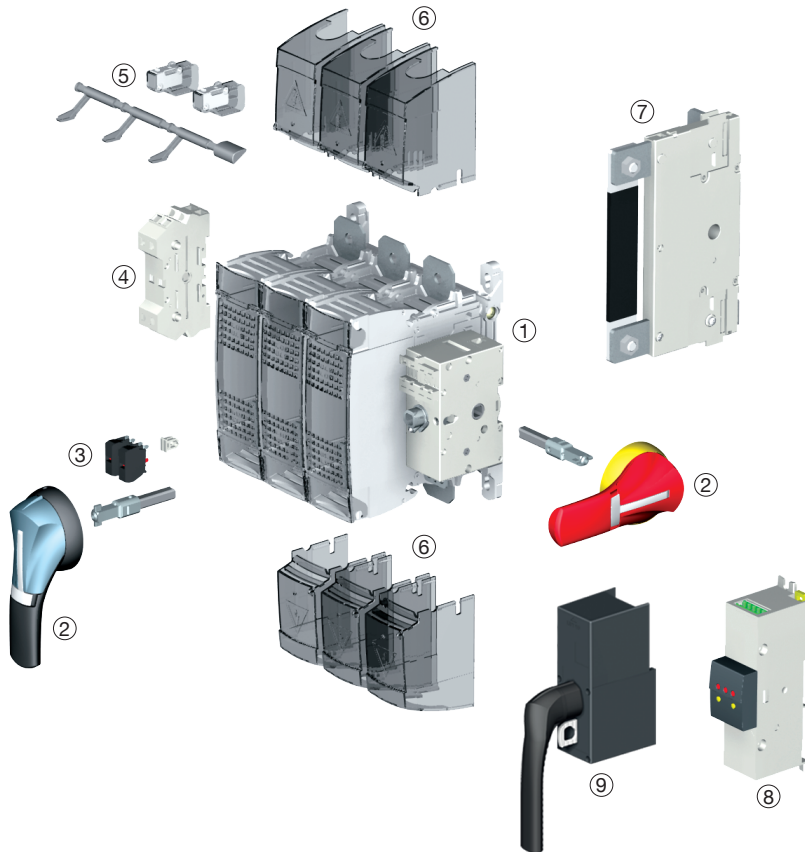
- Range 25 to 1250 A.
- 2P, 3P or 4P available.
- Up to 690 VAC.
- Up to 100 kA.
- Available in versions with right front-side, left side and central front operation handles.

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for fuses up to 1250 A

## What you need to know

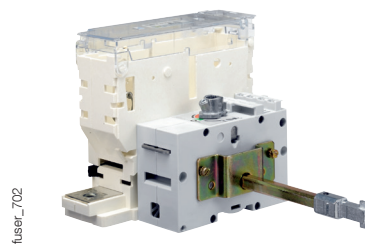
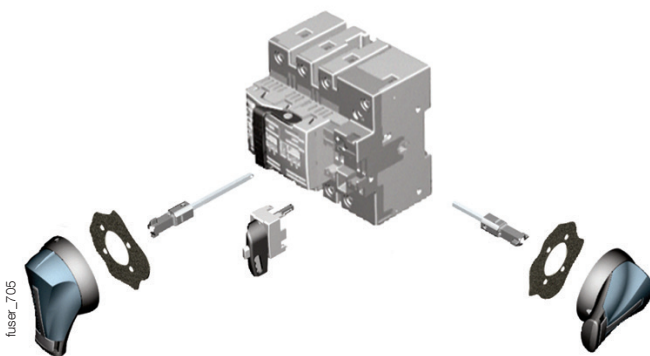
- In addition to the FUSERBLOC NFC/DIN rating, product selection also depends on the fuse characteristics and functional specifications. The SOCOMEC FUSERBLOC NFC/DIN can be equipped with **NFC/DIN** fuses (for BS fuses: please contact us)



- FUSERBLOC fused combination switches, right front-side operation
- External front or side operation handle
- U type auxiliary contact (pre-break and switch position signalling)
- Auxiliary power contacts (position signalling)
- Blown fuse mechanical detection and indication device (DDMM)
- Incoming and outgoing terminal shrouds
- Integrated solid neutral link
- Electronic fuse monitoring device (FMD) detects fuse status and provides signals to operator, PLC or supervision systems. Compatible with BS88, DIN and UL fuses
  - LED visual indication
  - Bi-stable relay for PLC: alarm, remote device tripping, etc.
  - TEST button: provides functional product verification
  - Can be directly mounted to FUSERBLOC NFC/DIN, alternatively it can be DIN-rail, back-plate or door mounted
- Direct operation accessory.

- Whether it is 3 pole + switched neutral or 3 pole + solid neutral, the CD 25 to CD 32 A FUSERBLOC NFC/DIN with **direct** and **external operation** is the best suited solution in a compact design.

- For ratings CD 25 to 400 A, the **flat mounting kit** is ideally suited to plug-in drawers.
- Maintenance of outputs from the DC common bus.



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## References

### NFC and DIN Right front-side, left side and central operation 25 to 125 A

Rating (A) Fuse size Frame size	No. of poles	Right front-side operation (6)	Left side operation (6)	Centred front operation (6)	Direct front handle I-0-TEST	External front handle I - 0	External front TEST handle I - 0 - TEST	External right side handle I - 0	Shaft for handle	Auxiliary contact	Terminal shroud	Electronic fuse monitoring device (5) FMD
CD 25 A 10 x 38 0	3 P	3631 <b>3002</b> (1)			3629 <b>4012</b>							
	3 P + switched neutral *	3631 <b>4002</b> (1)										
	3 P + solid neutral *	3631 <b>5002</b> (1)										
CD 32 A 10 x 38 0	3 P	3631 <b>3003</b>										
	3 P + switched neutral *	3631 <b>4003</b>										
	3 P + solid neutral *	3631 <b>5003</b>										
CD 32 A 14 x 51 0	3 P	3631 <b>3004</b> (1)										
	3 P + switched neutral *	3631 <b>4004</b> (1)										
	3 P + solid neutral *	3631 <b>5004</b> (1)										
50 A 14 x 51 11	2 P	3831 <b>2005</b>										
	3 P	3831 <b>3005</b> (1)	3815 <b>3005</b>									
	4 P	3831 <b>6005</b> (1)	3815 <b>6005</b>									
63 A 00C 12	2 P	3831 <b>2006</b>										
	3 P	3831 <b>3006</b> (1)	3815 <b>3006</b>									
	4 P	3831 <b>6006</b> (1)	3815 <b>6006</b>									
100 A 22 x 58 13	2 P	3831 <b>2010</b>										
	3 P	3831 <b>3010</b> (1)	3815 <b>3010</b>									
	4 P	3831 <b>6010</b> (1)	3815 <b>6010</b>									
125 A 22 x 58 13	2 P	3831 <b>2011</b>		3837 <b>3015</b>								
	3 P	3831 <b>3011</b>	3815 <b>3011</b>									
	4 P	3831 <b>6011</b>	3815 <b>6011</b>									
125 A 00 13	2 P	3831 <b>2012</b>										
	3 P	3831 <b>3012</b>	3815 <b>3012</b>									
	4 P	3831 <b>6012</b>	3815 <b>6012</b>									

(1) Available enclosed (see "Enclosed fuse switches").

(2) Standard.

(3) Maximum 4 contacts.

(4) Incoming or outgoing. Provide 2 terminal shrouds for complete incoming and outgoing protection.

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

(6) Switch body.

\* NC= Switched neutral

NP = Solid Neutral.

#### NFC and DIN Right front-side, left side and central operation 160 à 1250 A

Rating (A) Fuse size Frame size	No. of poles	Right front-side operation (7)	Left-side operation (7)	Centred front operation (7)	Direct front handle I-0-TEST	External front handle I - 0	External front TEST handle I - 0 - TEST	External right side handle I - 0	Shaft for handle	Auxiliary contact	Terminal shroud	Electronic fuse monitoring device (5) FMD
160 A 00 13	2 P	3831 2015			3999 5020					U type 1 NC contact 3999 0701 (3) 1 NO contact 3999 0702 (3)		
	3 P	3831 3015	38153015									
	4 P	3831 6015	38156015									
160 A 0 14	2 P	3831 2016			3999 5021	S1 type Black IP55 1411 2111 (2)	S2 type Black IP65 1423 2115 Red IP65 1424 2115	S2 type Black IP55 1425 2111 (2) Black IP65 1427 2111 Red IP65 1428 2111	200 mm 1400 1020 320 mm 1400 1032 500 mm 1400 1050			
	3 P	3831 3016 (1)	38153016	38373016								
	4 P	3831 6016 (1)	38156016									
250 A 1 15	2 P	3831 2024			3999 5021	1413 2111 Red IP65 1424 2111						
	3 P	3831 3024 (1)	38153024	38373024								
400 A 2 16	2 P	3831 2039			3999 5021							
	3 P	3831 3039 (1)	38153039	38373039								
	4 P	3831 6039 (1)	38156039	38376039								
630 A 3 17	2 P	3811 2063			3899 6011	S3 type Black IP65 1433 3111 (2) Red IP65 1434 3111				U type 1 NC contact 3999 0701 (4) 1 NO contact 3999 0702 (4)		
	3 P	3811 3063 (1)	38153063	38173063								
	4 P	3811 6063 (1)	38156063	38176063								
800 A 3 17	2 P	3811 2080			3999 6011	S3 type Black IP65 1433 3111 (2) Red IP65 1434 3111						
	3 P	3811 3080	38153080	38173080								
	4 P	3811 6080	38156080									
800 A 4 18	2 P	3811 2081			1141 3011	S4 type Black IP65 1443 3111 (2) Red IP65 1444 3111						
	3 P	3811 3081										
1250 A 4 18	2 P	3811 2120			1141 3011	S4 type Black IP65 1443 3111 (2) Red IP65 1444 3111						
	3 P	3811 3120	38153120	38173120								
	4 P	3811 6120	38156120									

(1) Available enclosed (see "Enclosed fuse switches").

(2) Standard.

(3) Maximum 4 contacts.

(4) Maximum 8 contacts.

(5) Incoming or outgoing. Provide 2 terminal shrouds for complete incoming and outgoing protection.

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

(7) Switch body.

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## Accessories

### Direct front operation handle assembly

Rating (A)	Frame size	Operating handle	Handle colour	References
50 ... 160	11-12-13-14	I-0-TEST	Black	3999 <b>5020</b>
250 ... 400	15-16	I-0-TEST	Black	3999 <b>5021</b>

Padlockable in position 0



### Direct front operation handle

Front operation				
Rating (A)	Frame size	Figure n°	Handle colour	References
CD 25 ... CD 32	0	1	Black	3629 <b>4012</b>
CD 25 ... CD 32	0	1	Red	3629 <b>4013</b>
630 ... 800	17	2	Black	3899 <b>6011</b>
800 ... 1250	18	3	Black	1141 <b>3011</b>



Fig. 1



Fig. 2



Fig. 3

### External front operation handle – Padlockable in position 0

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

(1) IP: Ingress Protection rating according to IEC 60529.



Handle type S2



### External front operation handle – Padlockable in positions 0 and I

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

(1) IP: Ingress Protection rating according to IEC 60529.



#### External front operation handle with metal lever – Padlockable in positions 0 and I

Rating (A)	Frame size	Handle type	Handle colour	External IP <sup>(1)</sup>	Defeatable handle	Reference
CD 25 ... 63	0/11/12	S1	Black	IP65	Yes	141D <b>2911</b>
CD 25 ... 63	0/11/12	S1	Red/Yellow	IP65	Yes	141E <b>2911</b>
100 ... 400	13 ... 16	S2	Black	IP65	Yes	142D <b>2911</b>
100 ... 400	13 ... 16	S2	Red/Yellow	IP65	Yes	142E <b>2911</b>
600 ... 800	17	S3	Black	IP65	Yes	143D <b>3911</b>
600 ... 800	17	S3	Red/Yellow	IP65	Yes	143E <b>3911</b>
800 ... 1250	18	S4	Black	IP65	Yes	144D <b>3911</b>
800 ... 1250	18	S4	Red/Yellow	IP65	Yes	144E <b>3911</b>

(1) IP: Ingress Protection rating according to IEC 60529.



#### External side operation handle – Padlockable in positions 0 and I

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

(1) IP: Ingress Protection rating according to IEC 60529.



#### S-type handle adaptor

##### Use

Enables S-type handles to be fitted in place of existing older style Socomec handles<sup>(2)</sup>.

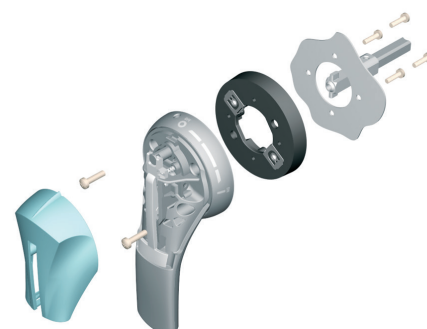
##### Dimensions

Adds 12 mm to the handle depth.

Handle colour	To be ordered in multiples of	External IP <sup>(1)</sup>	Reference
Black	1	IP65	1493 <b>0000</b>

(1) IP: Ingress Protection rating according to IEC 60529.

(2) Adapter can be utilised as a spacer to increase the distance between the panel door and the handle lever.



#### Alternative colour Type S handle cover

##### Use

For single lever handles S1, S2, S3 types and double lever handle, S4 type. Other colours - please contact us.

Handle colour	Available for order in multiples of	Handle type	Reference
Light grey	50	S1, S2, S3	1401 <b>0001</b>
Dark grey	50	S1, S2, S3	1401 <b>0011</b>
Light grey	50	S4	1401 <b>0031</b>
Dark grey	50	S4	1401 <b>0041</b>



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## Accessories (continued)

### Shaft for external front operation handle

**Use**

Shaft lengths:

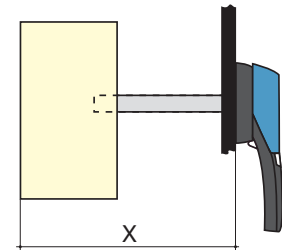
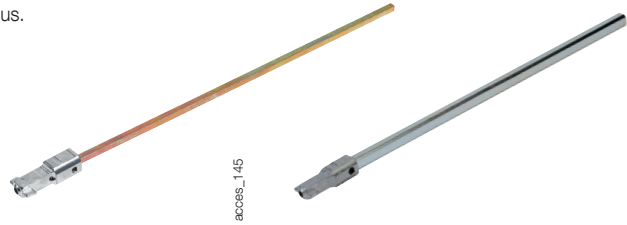
- 200 mm
- 320 mm
- 400 mm
- 500 mm.

Other lengths - contact us.

Rating (A)	Frame size	Shaft length (mm)	Reference
CD 25 ... CD 32	0	200	1401 0520
CD 25 ... CD 32	0	320	1401 0532
CD 25 ... CD 32	0	400	1401 0540 <sup>(1)</sup>
50 ... 400	11 ... 16	200	1400 1020
50 ... 400	11 ... 16	320	1400 1032
50 ... 400	11 ... 16	500	1400 1050 <sup>(2)</sup>
630 ... 800	17	200	1400 1220
630 ... 1250	17/18	320	1400 1232
630 ... 1250	17/18	500	1400 1250 <sup>(1)</sup>

(1) Use the shaft guide accessory for external operation.

(2) Use the front operation shaft support accessory.



### Dimension X (mm) for FUSERBLOC NFC and DIN

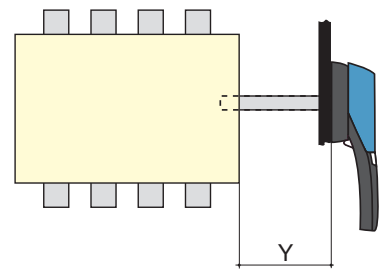
	Rating (A)	CD 25 ... CD 32	50	63	100 ... 160	160	250 ... 400	630 ... 800	800 ... 1250
	Fuse size	10x38/14x51	14x51	00C	22x58/00	0	1/2	3	4
	Frame size	0	11	12	13	14	15/16	17	18
<b>Shaft length (mm)</b>									
200		102 ... 245	100 ... 230	125 ... 230	135 ... 230	145 ... 230	160 ... 230	270 ... 304	
320		102 ... 365	100 ... 350	125 ... 350	135 ... 350	145 ... 350	160 ... 350	270 ... 424	304 ... 424
400		102 ... 445	100 ... 430	125 ... 430	135 ... 430	145 ... 430	160 ... 430	270 ... 504	304 ... 504
500			100 ... 530	125 ... 530	135 ... 530	145 ... 530	160 ... 530	270 ... 604	304 ... 604

### Shaft for external side operation

**Use**

Shaft length, 200 mm.

Rating (A)	Frame size	Handle type	Dimension Y (mm)	Shaft length (mm)	Reference
CD 25 ... CD 32	0	S	36 ... 159	200	1401 0520
50 ... 400	11 ... 16	S	36 ... 172	200	1400 1020
630 ... 1250	17/18	S	15 ... 150	200	1400 1220



### Shaft guide for external operation

**Use**

For use with S Type handles, 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.

Recommended for a shaft length over 320 mm.

Description	Reference
Shaft guide	1429 0000





## Operation lock-out device

### Use

Lock-out in position 0 of the direct, front or right side operation:

- using a padlock (not supplied) in direct right side operation: factory integrated into the handle,

- using a padlock (not supplied): right front-side operation switch from 50 to 1250 A, factory integrated,

- using a lock (not supplied) in external operation.

### Locking using RONIS EL 11 AP lock (not supplied)

Rating (A)	Frame size	Operating handle	Figure n°	Reference
CD 25 ... 1250	0 ... 18	external front	1	1499 7701

### Locking using Type K CASTELL lock (not supplied)

Rating (A)	Frame size	Operating handle	Figure n°	Reference
CD 25 ... 1250	0 ... 18	external front	2	1499 7702

### Locking using Type FS CASTELL lock (not supplied)

Rating (A)	Frame size	Operating handle	Figure n°	Reference
CD 25 ... 1250	0 ... 18	external front	2	1499 7703

### Locking using XOP (not supplied)

Rating (A)	Frame size	Operating handle	Reference
CD 25 ... 1250	0 ... 18	external front	1499 7702

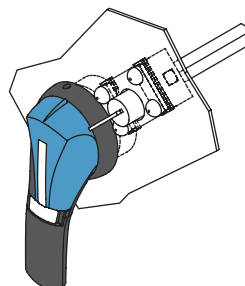


Fig. 1

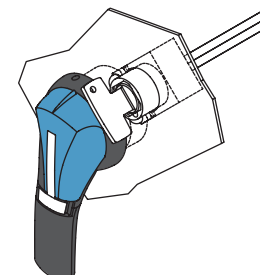


Fig. 2

access\_168\_a\_1\_x\_cat

access\_167\_a\_1\_x\_cat

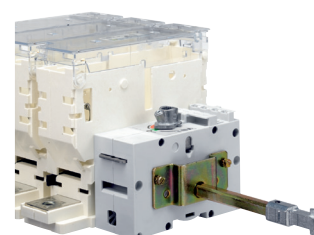
## Flat mounting kit

### Use

The flat mounting kit is ideally suited to plug-in drawers.

Kit to be used with a handle for flat mounting.

Rating (A)	Frame size	Type	Reference
CD 25 ... CD 32	0	Kit + 200 mm shaft	1429 7709
50 ... 400	11 ... 16	Kit + 200 mm shaft	1429 7710



fuser\_535

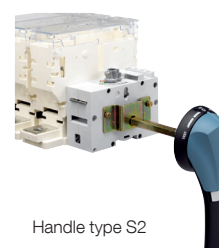
## Handle for flat mounting kit

### Handle padlockable in position 0

Rating (A)	Frame size	Handle type	Handle colour	External IP <sup>(1)</sup>	Reference
CD 25 ... 63	0/11/12	S1	Black	IP55	1411 2111 <sup>(2)</sup>
CD 25 ... 63	0/11/12	S1	Red/Yellow	IP65	1414 2111 <sup>(2)</sup>
100 ... 400	13 ... 16	S2	Black	IP55	1421 2111 <sup>(2)</sup>
100 ... 400	13 ... 16	S2	Red/Yellow	IP65	1424 2111 <sup>(2)</sup>

(1) IP: Ingress Protection rating according to IEC 60529.

(2) Defeatable handle in position I.



Handle type S2

fuser\_536

## External front operation shaft support accessory

### Use

When the shaft extensions are longer than 320 mm, this support holds the operating shaft facing the external handle.

Rating (A)	Frame size	Reference
50 ... 400	11 ... 16	3899 0400



fuser\_698



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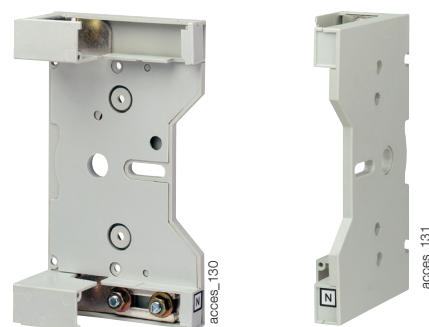
for fuses up to 1250 A

### Accessories (continued)

#### Integrated solid neutral link

##### Use

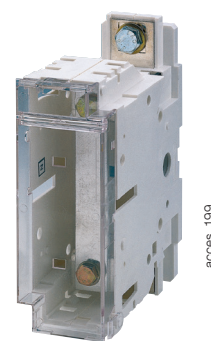
Fixing the solid neutral onto the mechanism produces a device with a solid neutral of the same size as a standard three-pole device (+ 6 mm).



For external front operation			
Rating (A)	Frame size	Bar rating (A)	Reference
100 ... 125	13	125	3829 9310
160	13	160	3829 9320
160	14	200	3829 9320
250	15	250	3829 9325
400	16	400	3829 9339
630 ... 800	17	800	3829 9308
800 ... 1250	18	1250	3829 9312

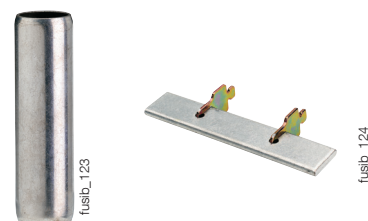
#### Solid neutral module for front operation

Rating (A)	Frame size	I <sub>max</sub> (A)	Distance (mm)	Reference
50	11	50	27	3629 9227
63	12	63	32	3629 9232
100 ... 160	13	160	36	3629 9236
160	14	160	50	3629 9250
250	15	250	60	3629 9260
400	16	400	66	3629 9265
630 ... 800	17	800	94	3629 9294
800 ... 1250	18	1250	120	3629 9212



#### Solid neutral link

NFC and DIN devices				
Rating (A)	Frame size	Fuse size	I <sub>max</sub> (A)	Reference
50	11	14 x 51	50	6029 0000
100 ... 125	13	22 x 58	125	6039 0000
63 ... 160	12/13	00C / 00	160	6420 0000
160	14	0	160	6421 0000
250	15	1	250	6421 0001
400	16	2	400	6421 0002
630 ... 800	17	3	800	6421 0003
800 ... 1250	18	4	1250	6441 0005



#### Terminal shroud

##### Use

Incoming or outgoing 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
CD 25 ... 63	0/12	top/bottom	2 / 3 / 4 P	integrated
100 ... 160	13/14	top/bottom	2 P	3998 2016
100 ... 160	13/14	top/bottom	3 P	3998 3016
100 ... 160	13/14	top/bottom	4 P	3998 4016
250 ... 400	15	top/bottom	2 P	3998 2025
250 ... 400	15	top/bottom	3 P	3998 3025
250 ... 400	15	top/bottom	4 P	3998 4025
400	16	top/bottom	2 P	3898 2040
400	16	top/bottom	3 P	3898 3040
400	16	top/bottom	4 P	3898 4040
630 ... 800	17	top/bottom	2 P	3898 2080
600 ... 800	17	top/bottom	3 P	3898 3080
600 ... 800	17	top/bottom	4 P	3898 4080
800 ... 1250	18	top/bottom	2 P	3898 2120
800 ... 1250	18	top/bottom	3 P	3898 3120
800 ... 1250	18	top/bottom	4 P	3898 4120



## S and ST-type auxiliary contacts

### Use

For FUSERBLOCs 50 to 1250 A, position 0 and I signalling by 1 to 4 NO + NC auxiliary contacts.

### Electrical principle

The NO + NC Type S auxiliary contacts can be configured as 2 NC or 2 NO.

### References

#### S-type auxiliary contacts 0-I position signalling for external front and right-side operation

Rating (A)	Frame size	Contact type	S-type auxiliary contact Reference	Actuating kit for auxiliary contact (optional) Reference
50 ... 1250	11 ... 18	1 NC+ 1 NO	3999 0041 <sup>(1)</sup>	3999 0003

#### ST-type auxiliary contacts I-0-TEST position signalling for external front and right-side operation

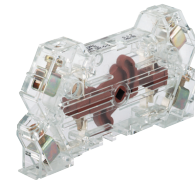
Rating (A)	Frame size	Contact type	Description	ST-type auxiliary contact Reference	Actuating kit for auxiliary contact Reference
50 ... 400	11 ... 15	1 NC+ 1 NO	TEST + ON	3999 0141 <sup>(2)</sup>	3999 0103
50 ... 400	11 ... 16	2 NO	TEST + ON	3999 0241 <sup>(2)</sup>	3999 0103

<sup>(1)</sup> Drive shaft included with S-type Auxiliary Contact.

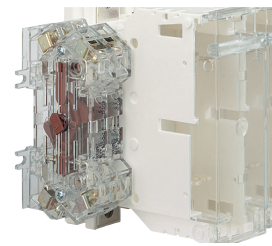
<sup>(2)</sup> Drive shaft to be ordered in addition to the ST-type Auxiliary Contact.

### Characteristics

Rating (A)	Current current (A)	Operating current I <sub>e</sub> (A)	
		250 VAC AC-13	400 VAC AC-13
50 ... 1250	20	10	8



access\_051



access\_053

## U type auxiliary contacts<sup>(1)</sup>

### Use

The different functions can be configured very easily by installing pushers (1 or 2 pushers per position). Each slot can accommodate up to 2 interlocked auxiliary contacts.

### Connection to the control circuit

By terminals with max. section 2 x 2.5 mm<sup>2</sup>

For FUSERBLOC CD 25 to 400 A: pre-break and signalling of positions 0, I and Test

For FUSERBLOC ≥ 630 A: pre-break and signalling of positions 0 and I.

### References

#### NC auxiliary contacts

Rating (A)	Frame size	Contact	Reference <sup>(1)</sup>
CD 25 ... 1250	0 ... 18	1	3999 0701 <sup>(2)</sup>

#### NO auxiliary contacts

Rating (A)	Frame size	Contact	Reference <sup>(1)</sup>
CD 25 ... 1250	0 ... 18	1	3999 0702 <sup>(2)</sup>

<sup>(1)</sup> CD 25 - CD 32: Cannot be mounted in direct operation.

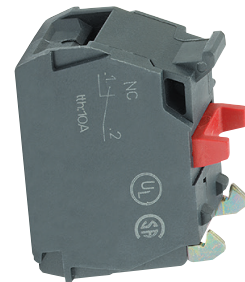
<sup>(2)</sup> CD 25-160 A - 4 auxiliary contacts can be fitted without additional auxiliary contact holder.  
250-400 A - 8 auxiliary contacts can be fitted without additional auxiliary contact holder.

#### Contact holder for additional auxiliary contacts

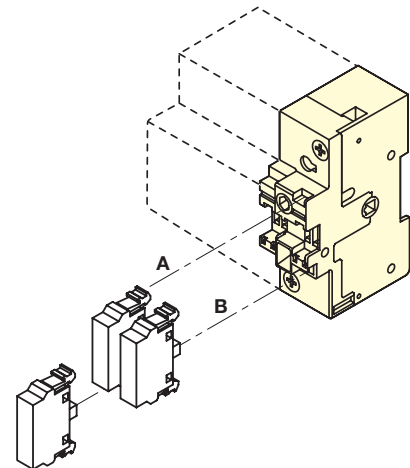
Rating (A)	Frame size	Contact	Reference
CD 25 ... CD 32	0	4 (2 x 2 max)	3999 0710
50 ... 400	11 ... 16	4 (2 x 2 max)	3999 0600

### Characteristics

Rating (A)	Operating current I <sub>e</sub> (A)			
	250 VAC AC-15	400 VAC AC-15	24 VDC DC-13	48 VDC DC-13
CD 25 ... 1250	3	1.8	2.8	1.4



access\_056



access\_043\_a\_1\_x\_cat

<sup>(1)</sup> U-type auxiliary contacts can be mounted on a device with an solid neutral.

# FUSERBLOC NFC/DIN

## Fuse combination switches

for fuses up to 1250 A

### Accessories (continued)

#### Electronic fuse monitoring device (FMD)

##### Use

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

##### Principle

The Fuse Monitoring 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 operating voltage	Reference
3	155 - 260 VAC	3899 3120
3	380...690 VAC	3899 3380

##### Accessories

Accessories	Reference
Kit for connection accessories	Standard 3819 9120
Kit for connection accessories	Door mounted 3829 9120

##### Relay characteristics

Rating (A)	Relay operational current I <sub>o</sub> (A)	
	AC-15	DC-13
63 ... 1250	2.5 A	0.2



3-LED version

#### DDMM-type auxiliary contact for device with NFC/DIN fuse with striker

##### Use

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

##### Connection to the control circuit

By 6.35 mm Fast-on terminal.

##### Electrical principle

An NO/NC auxiliary contact detects that the fuse has blown.

##### Mechanical characteristics

30,000 operations.

##### References

###### NO/NC type auxiliary contacts for 2 poles

Rating (A)	Frame size	Fuses <sup>(1)</sup>	Contact	Reference
50	11	14 x 51	1 <sup>st</sup>	3994 0405
100 ... 125	13	22 x 58	1 <sup>st</sup>	3994 0210
160	14	NH0	1 <sup>st</sup>	3994 0216
250	15	NH1-NH2	1 <sup>st</sup>	3994 0225
400 <sup>(1)</sup>	16	NH2	1 <sup>st</sup>	3894 0440
630 ... 800	17	NH3	1 <sup>st</sup>	3894 1206
800 ... 1250	18	NH4	1 <sup>st</sup>	3894 1212

###### NO/NC type auxiliary contacts for 3 poles

Rating (A)	Frame size	Fuses	Contact	Reference
CD 32	0	14 x 51	1 <sup>st</sup>	3994 0303
50	11	14 x 51	1 <sup>st</sup>	3994 0405
100 ... 125	13	22 x 58	1 <sup>st</sup>	3994 0310
160	14	NH0 - NH00	1 <sup>st</sup>	3994 0316
250	15	NH1-NH2	1 <sup>st</sup>	3994 0325
400 <sup>(1)</sup>	16	NH2	1 <sup>st</sup>	3894 0440
630 ... 800	17	NH3	1 <sup>st</sup>	3894 1306
800 ... 1250	18	NH4	1 <sup>st</sup>	3894 1312
50 ... 250	11/13/14/15	14x51 ... NH2	2 <sup>nd</sup>	3994 1901
400	16	NH2	2 <sup>nd</sup>	3994 1902
630 ... 1250	17/18	NH3-NH4	2 <sup>nd</sup>	3994 1901

###### NO/NC type auxiliary contacts for 4-pole or 3-pole + neutral

Rating (A)	Frame size	Fuses	Contact	Reference
50	11	14 x 51	1 <sup>st</sup>	3994 0405
100 ... 125	13	22 x 58	1 <sup>st</sup>	3994 0410
160	14	NH0	1 <sup>st</sup>	3994 0416
250	15	NH1-NH2	1 <sup>st</sup>	3994 0425
400 <sup>(1)</sup>	16	NH2	1 <sup>st</sup>	3894 0440
630 ... 800	17	NH3	1 <sup>st</sup>	3894 1406
800 ... 1250	18	NH4	1 <sup>st</sup>	3894 1412
50 ... 250	11/13/14/15	14x51 ... NH2	2 <sup>nd</sup>	3994 1901
400	16	NH2	2 <sup>nd</sup>	3994 1902
630 ... 1250	17/18	NH3-NH4	2 <sup>nd</sup>	3994 1901

(1) NH00 fuse = size 00. NH4 fuse = size 4.

##### Characteristics

Rating (A)	Current current (A)	Operating current I <sub>o</sub> (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



DDMM for cylindrical fuses



DDMM for NH fuses

## Cage terminals

### Use

Connection of bare copper cables onto the terminals (without lugs).

### References

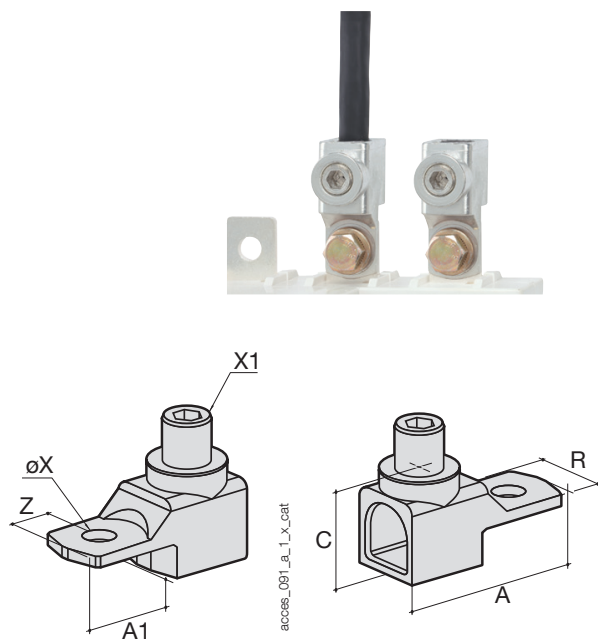
Max. rating (A)	Frame size	No. of poles	Reference
CD 25 ... 63	0 ... 12	2 / 3 / 4 P	integrated
100 ... 160	13/14	3 P	5400 <b>3016</b>
100 ... 160	13/14	4 P	5400 <b>4016</b>
250	15	3 P	5400 <b>3025</b>
250	15	4 P	5400 <b>4025</b>
400	16	3 P	5400 <b>3040</b>
400	16	4 P	5400 <b>4040</b>

### Connections

Rating (A)	Flexible cable cross-section (mm <sup>2</sup> )	Rigid cable cross-section (mm <sup>2</sup> )	Flexible bar width (mm)	Stripped over (mm)
100 ... 160	16 ... 95	16 ... 95	13	22
250	16 ... 185	16 ... 185	18	27
400	50 ... 240	50 ... 300	20	34

### Dimensions

Rating (A)	A	A1	C	R	ØX	X1	Z
100 ... 160	47.5	22.5	25	20	8.5	M12	10
250	62	31.5	31.5	25	10.5	M16	14
400	71.5	32	38	32	10.5	M20	15



access\_053

access\_061\_a\_1\_x\_cat

access\_062\_a\_1\_x\_cat

## Label holder

### Use

Customisable sticker for device identification.

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



access\_044

# FUSERBLOC NFC/DIN

Fuse combination switches

for fuses up to 1250 A

## Characteristics according to IEC 60947-3

25 to 125 A

References <i>"x" is the digit of the pole number (2 = 2 P, 3 = 3 P, 6 = 4 P)</i>	36xx x002	36xx x003	36xx x004	38xx x005	38xx x006	38xx x010	38xx x011	38xx 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	11	12	13	13	13
Frame pitch per power pole (mm)	-	-	-	27	32	36	36	36
Number of poles	3, 4(switched neutral), 4(solid neutral)	3, 4(switched neutral), 4(solid neutral)	3, 4(switched neutral), 4(solid neutral)	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4
Rated thermal current I <sub>th</sub> (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 operating voltage U <sub>e</sub> (V)	690 V	690 V	690 V	690 V	690 V	690 V	690 V	690 V
Rated insulation voltage U <sub>i</sub> (V)	800	800	690	800	800	800	800	800
Rated impulse withstand voltage U <sub>imp</sub> (kV)	8	8	8	8	8	8	8	8
<b>Short-circuit characteristics</b>								
Prospective short-circuit current at U <sub>e</sub> 400/415 VAC (kA rms)	100	100	100	100	100	100	100	50
Prospective short-circuit current at U <sub>e</sub> 660/690 VAC (kA rms)	100	100	-	100	100	100	100	50
Rated peak withstand current in I <sub>cc</sub> U <sub>e</sub> 415 VAC (kA peak) (switch alone)	5.5	5.5	5.5	5.52	7.3	11.9	13.6	-
Rated peak withstand current in I <sub>cc</sub> U <sub>e</sub> 690 VAC (kA peak) (switch alone)	5.2	6.1	-	6.5	7.3	15.8	20.4	10.4
<b>Rated operating current I<sub>e</sub> (A)</b>								
<b>Nominal voltage</b>	<b>Operating category</b>	<b>A/B<sup>(1)</sup></b>	<b>A/B<sup>(1)</sup></b>	<b>A/B<sup>(1)</sup></b>	<b>A/B<sup>(1)</sup></b>	<b>A/B<sup>(1)</sup></b>	<b>A/B<sup>(1)</sup></b>	<b>A/B<sup>(1)</sup></b>
415 VAC	AC-21 A / AC-21 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
415 VAC	AC-22 A / AC-22 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
415 VAC	AC-23 A / AC-23 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
500 VAC	AC-21 A / AC-21 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
500 VAC	AC-22 A / AC-22 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
500 VAC	AC-23 A / AC-23 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
690 VAC	AC-20 A / AC-20 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
690 VAC	AC-21 A / AC-21 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
690 VAC <sup>(2)</sup>	AC-22 A / AC-22 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
690 VAC <sup>(2)</sup>	AC-23 A / AC-23 B	25/25	32/32	32/32	50/50	63/63	100/100	125/125
220 VDC	DC-21 A / DC-21 B	-/25	-/32	-/32	-	-/63	100/100	100/100
220 VDC	DC-22 A / DC-22 B	-/25	-/32	-/32	-	-	100/100	100/100
220 VDC	DC-23 A / DC-23 B	-/25 <sup>(3)</sup>	-/25 <sup>(3)</sup>	-/25 <sup>(3)</sup>	-	-	100/100	100/100
440 VDC	DC-21 A / DC-21 B	-	-	-	-	-/63 <sup>(4)</sup>	100 <sup>(4)</sup> /100 <sup>(4)</sup>	100 <sup>(4)</sup> /100 <sup>(4)</sup>
440 VDC	DC-22 A / DC-22 B	-	-	-	-	-	100 <sup>(4)</sup> /100 <sup>(4)</sup>	100 <sup>(4)</sup> /100 <sup>(4)</sup>
440 VDC	DC-23 A / DC-23 B	-	-	-	-	-	100 <sup>(4)</sup> /100 <sup>(4)</sup>	100 <sup>(4)</sup> /100 <sup>(4)</sup>
<b>Operational power in AC-23 (kW)</b>								
At U <sub>e</sub> 415 VAC without pre-break auxiliary contact <sup>(1)(5)</sup>	11/11	15/15	15/15	25/25	30/30	51/51	63/63	63/63
At U <sub>e</sub> 690 VAC without pre-break auxiliary contact <sup>(1)(5)</sup>	22/22	25/25	25/25	45/45	55/55	90/90	90/90	90/90
<b>Reactive power (kvar)</b>								
At U <sub>e</sub> 415 VAC <sup>(5)</sup>	11	15	15	23	28	45	55	55
<b>Dissipated power (W / pole)</b>								
Dissipated power	3.1	4.1	5.9	7.3	8.4	14.5	19.9	20.3
Power dissipated by fuse	2.4	2.9	4.3	4.6	6	9	11	12.5
Dissipated power, switch body	0.7	1.2	1.6	2.45	4.35	6.8	8.63	6
<b>Conductor connection capacity</b>								
Minimum Cu cable cross-section (mm <sup>2</sup> )	2.5	2.5	2.5	6	10	25	35	35
Minimum Cu cable cross-section (mm <sup>2</sup> )	16	16	16	25	25	95	95	95
Maximum busbar width (mm)	-	-	-	-	-	20	20	20
Min. tightening torque (Nm)	2	2	2	3	3	9	9	9
<b>Mechanical characteristics</b>								
Durability (number of operating cycles)	10 000	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	9.7	10.2
Weight of a 3-pole device without accessories (kg)	0.48	0.48	0.50	0.80	1	1.5	1.5	1.5
Weight of a 4-pole device without accessories (kg)	0.50	0.50	0.52	1	1.3	2	2	2
Weight of 1 additional P (kg)	-	-	-	0.2	0.3	0.5	0.5	0.5
Storage temperature ( °C)	-50 ... +85							
Operating temperature ( °C)	-20 ... +70							
Regulatory compliance	IEC 60947-3							
Certification	IEC, KEMA, Lloyds and CCC							
Pollution Degree	3	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 inter-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<sub>e</sub> = 400 VAC



## 160 to 1250 A

References	38xx x015	38xx x016	38xx x024	38xx x038	38xx x063	38xx x080	38xx x081	38xx x120
*x* is the digit of the pole number (2 = 2 P, 3 = 3 P, 6 = 4 P)								
Type	Mod. 160 A	Mod. 160 A	Mod. 250 A	Mod. 400 A	Mod. 630 A	Mod. 800 A	Mod. 800 A	Mod. 1250 A
Frame size	13	14	15	16	17	17	18	18
Frame pitch per power pole (mm)	36	50	60	66	94	94	120	120
Number of poles	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4
Rated thermal current I <sub>th</sub> (35 °C)	160 A	160 A	250 A	400 A	630 A	800 A	800 A	1250 A
NFC/DIN fuse size	NH00	NH0	NH1	NH2	NH3	NH3	NH4	NH4
Rated operating voltage U <sub>e</sub> (V)	690 V	600 V	690 V	690 V	690 V	690 V	415 V	415 V
Rated insulation voltage U <sub>i</sub> (V)	800	800	800	1000	1000	1000	1000	1000
Rated impulse withstand voltage U <sub>imp</sub> (kV)	8	8	8	12	12	12	12	12
Short-circuit characteristics								
Prospective short-circuit current at U <sub>e</sub> 400/415 VAC (kA rms)	50	100	100	50	100	100	100	100
Prospective short-circuit current at U <sub>e</sub> 660/690 VAC (kA rms)	50	50	50	50	100	100	-	-
Rated peak withstand current in I <sub>cc</sub> U <sub>e</sub> 415 VAC (kA peak) (switch alone)	18.95	22.66	23.9	33.5	48	54.18	50.8	53.2
Rated peak withstand current in I <sub>cc</sub> U <sub>e</sub> 690 VAC (kA peak) (switch alone)	13.5	14	29	29.9	58.7	58.7	-	-
Rated operating current I <sub>e</sub> (A)								
Nominal voltage	Operating category	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>
415 VAC	AC-21 A / AC-21 B	160/160	160/160	250/250	400/400	-/630	-/800	-/800
415 VAC	AC-22 A / AC-22 B	160/160	160/160	250/250	400/400	-/630	-/800	-/800
415 VAC	AC-23 A / AC-23 B	160/160	160/160	250/250	400/400	-/630	-/800	-/800
500 VAC	AC-21 A / AC-21 B	160/160	160/160	250/250	-/400	-/630	-/800	-/800
500 VAC	AC-22 A / AC-22 B	160/160	160/160	250/250	-/400	-/630	-/800	-/800
500 VAC	AC-23 A / AC-23 B	160/160	160/160	250/250	-	-	-	-
690 VAC	AC-20 A / AC-20 B	160/160	160/160	250/250	400/400	630/630	800/800	800/800
690 VAC	AC-21 A / AC-21 B	160/160	160/160	250/250	-/400	-/630	-/800	-/800
690 VAC <sup>(2)</sup>	AC-22 A / AC-22 B	160/160	160/160	250/250	-/400	-/630	-/800 <sup>(6)</sup>	-/800
690 VAC <sup>(2)</sup>	AC-23 A / AC-23 B	125/125	125/125	250/250	250/315	-	-	-
220 VDC	DC-21 A / DC-21 B	160/160	160/160	250/250	-	-	-	-
220 VDC	DC-22 A / DC-22 B	160/160	160/160	250/250	-	-	-	-
220 VDC	DC-23 A / DC-23 B	125/125	125/125	200/200	-	-	-	-
440 VDC	DC-21 A / DC-21 B	160 <sup>(3)</sup> /160 <sup>(3)</sup>	160 <sup>(3)</sup> /160 <sup>(3)</sup>	250 <sup>(3)</sup> /250 <sup>(3)</sup>	-	-	-	-
440 VDC	DC-22 A / DC-22 B	160 <sup>(3)</sup> /160 <sup>(3)</sup>	160 <sup>(3)</sup> /160 <sup>(3)</sup>	250 <sup>(3)</sup> /250 <sup>(3)</sup>	-	-	-	-
440 VDC	DC-23 A / DC-23 B	125 <sup>(3)</sup> /125 <sup>(3)</sup>	125 <sup>(3)</sup> /125 <sup>(3)</sup>	200 <sup>(3)</sup> /200 <sup>(3)</sup>	-	-	-	-
Operational power in AC-23 (kW)								
At U <sub>e</sub> 415 VAC without pre-break auxiliary contact <sup>(1)(5)</sup>	80/80	80/80	132/132	220/220	355/355	450/450	450/450	560/560
At U <sub>e</sub> 690 VAC without pre-break auxiliary contact <sup>(1)(5)</sup>	110/110	110/110	220/220	220/295	295/400	400/400	400/400	400/475
Reactive power (kvar)								
At U <sub>e</sub> 415 VAC <sup>(5)</sup>	75	75	115	185	290	365	355	460
Dissipated power (W / pole)								
Dissipated power	21.6	23	41.1	57.4	122	134		264
Power dissipated by fuse	12	15	23	33	60	65	70	110
Dissipated power, switch body	10.4	10.4	19	24.4	61	68		154
Conductor connection capacity								
Minimum Cu cable cross-section (mm <sup>2</sup> )	35	50	95	185	2 x 150	2 x 185		
Minimum Cu cable cross-section (mm <sup>2</sup> )	95	95	240	240	2 x 300	2 x 300	4 x 185	4 x 185
Maximum busbar width (mm)	20	20	32	45	63	63	80	80
Min. tightening torque (Nm)	9	9	20	20	40	40	40	40
Mechanical characteristics								
Durability (number of operating cycles)	10 000	10 000	10 000	10 000	5 000	8 000	3 000	3 000
Operating torque (Nm)	10.2	9.7	13	17	56	57	62	62
Weight of a 3-pole device without accessories (kg)	1.8	1.8	3.2	4.8	16	17	25	25
Weight of a 4-pole device without accessories (kg)	2.3	2.3	4.5	6.1	20	21.5	30	30
Weight of 1 additional P (kg)	0.5	0.5	1.3	1.3			3	3
Storage temperature (°C)	-50 ... +85							
Operating temperature (°C)	-20 ... +70							
Regulatory compliance	IEC 60947-3							
Certification	IEC, KEMA, Lloyds and CCC							
Pollution Degree	3	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 inter-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<sub>e</sub> = 400 VAC



# FUSERBLOC NFC/DIN

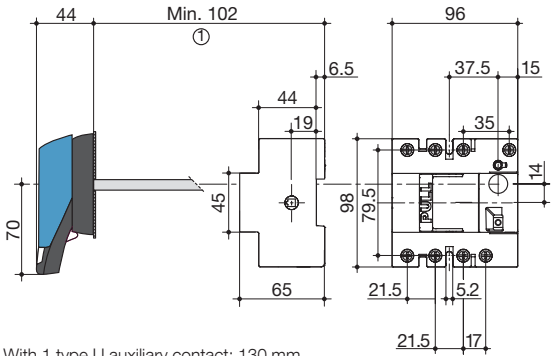
Fuse combination switches

for fuses up to 1250 A

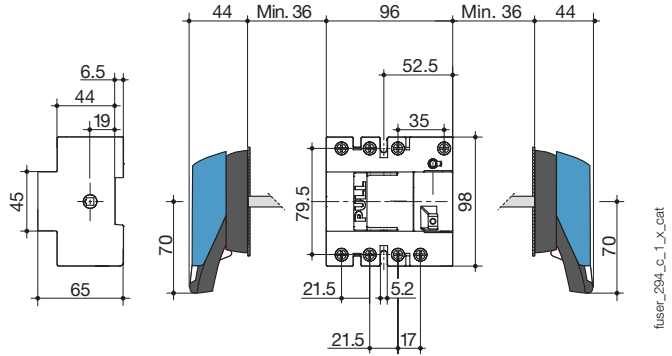
## Dimensions for external front-side operation

### 25 to 32 A (size 10 x 38)

External front operation



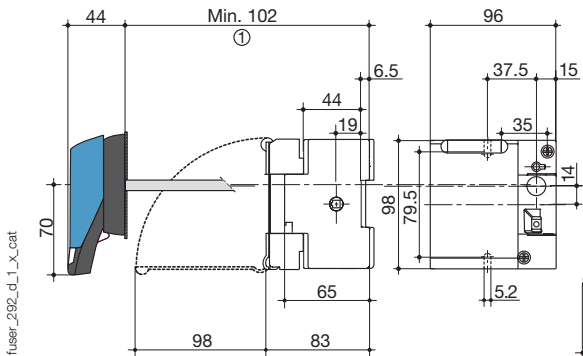
External side operation



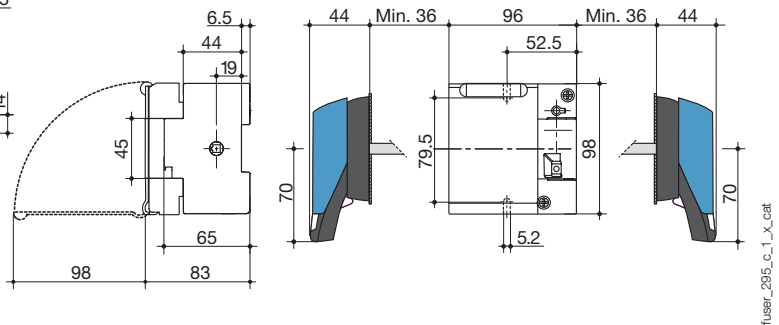
- 1. With 1 type U auxiliary contact: 130 mm.
- With 2 type U auxiliary contacts: 155 mm.

### 32 A (size 14 x 51)

External front operation



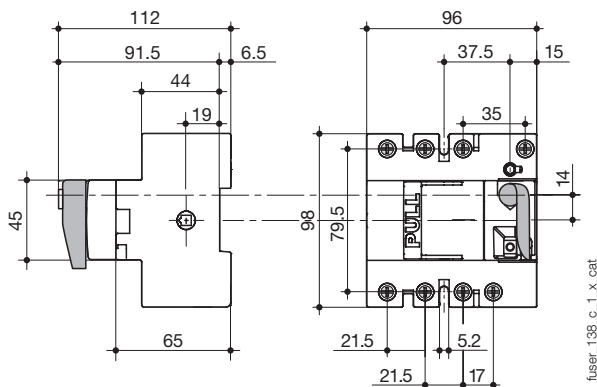
External side operation



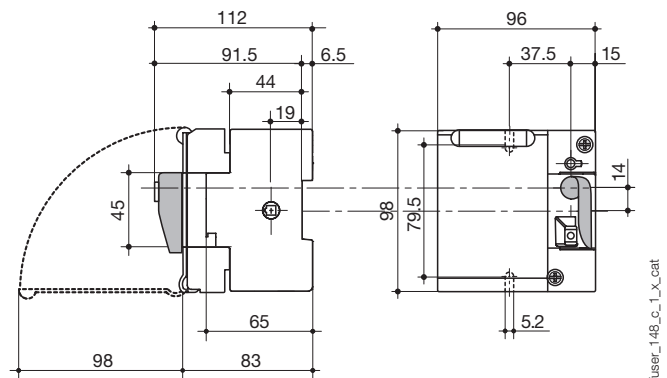
- 1. With 1 type U auxiliary contact: 130 mm.
- With 2 type U auxiliary contacts: 155 mm.

## Dimensions - direct operation

### 25 A (size 10 x 38)



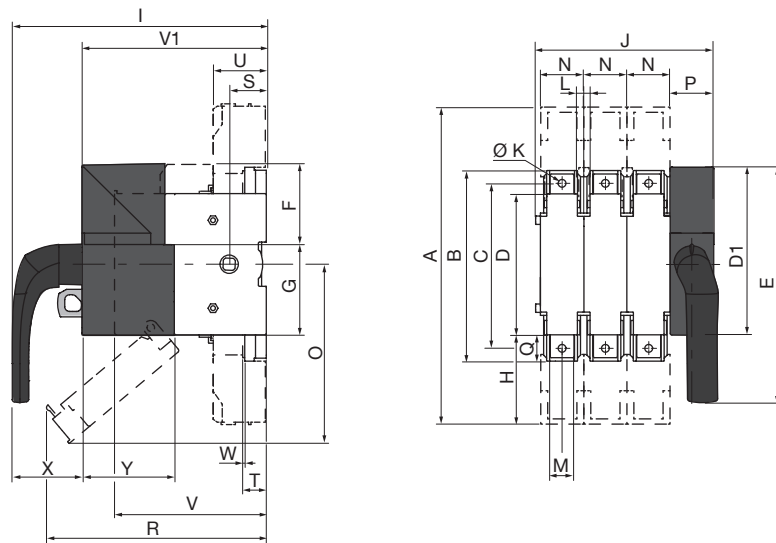
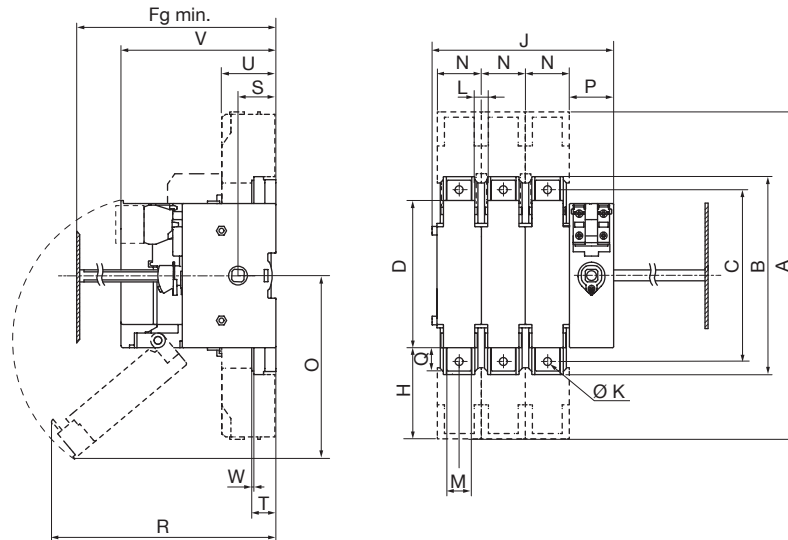
### 32 A (size 14 x 51)



## Dimensions for right front-side operation

### 50 to 160 A

50 - 63 A: cage connection.  
100 - 160 A: terminal connection.



fuser\_751\_ea\_1\_X\_cat.ai

fuser\_752\_ea\_1\_X\_cat.ai

Rating (A)	Fuse size	Frame size	Fg min.	A	B	C	D	D1	E	F	G	H	I	J		K	L	M	N	O	P	Q	R	S	T	U	V	V1	W	X	Y
														3P	4P																
50	14 x 51	11	100	118		106	143	200	67.5	75.5		212.1	121	148	6.2	15	12	27	85	36.8	15	153	31			87	153.6	2	58.5	77	
63	00C	12	125	118		106	143	200	67.5	75.5		212.1	136	168	6.2	20	12	32	159	36.8	15	145	31			116	153.6	2	58.5	77	
100	22x58	13	135	268	162	141	127	143	200	67.5	75.5	75	212.1	148	184	8.5	16	20	36	141	36.8	41	187	31	19.5	43.5	116	153.6	2.5	58.5	77
125	22x58	13	135	268	162	141	127	143	200	67.5	75.5	75	212.1	148	184	8.5	16	20	36	141	36.8	41	179	31	19.5	43.6	116	153.6	2.5	58.5	77
125	NH00	13	135	268	162	141	127	143	200	67.5	75.5	75	212.1	148	184	8.5	16	20	36	141	36.8	41	193	31	19.5	43.7	126	153.6	2.5	58.5	77
160	NH00	13	135	268	162	141	127	143	200	67.5	75.5	75	212.1	148	184	8.5	16	20	36	141	36.8	41	193	31	19.5	43.8	126	153.6	2.5	58.5	77
160	NH0	14	145	268	162	141	140	143	200	67.5	75.5	75	212.1	190	240	8.5	20	20	50	174	36.8	41	229	31	19.5	43.9	136	153.6	2.5	58.5	77

Dimensions also valid for:  
3P front operation



4P front operation



3P left-side operation



4P left side operation



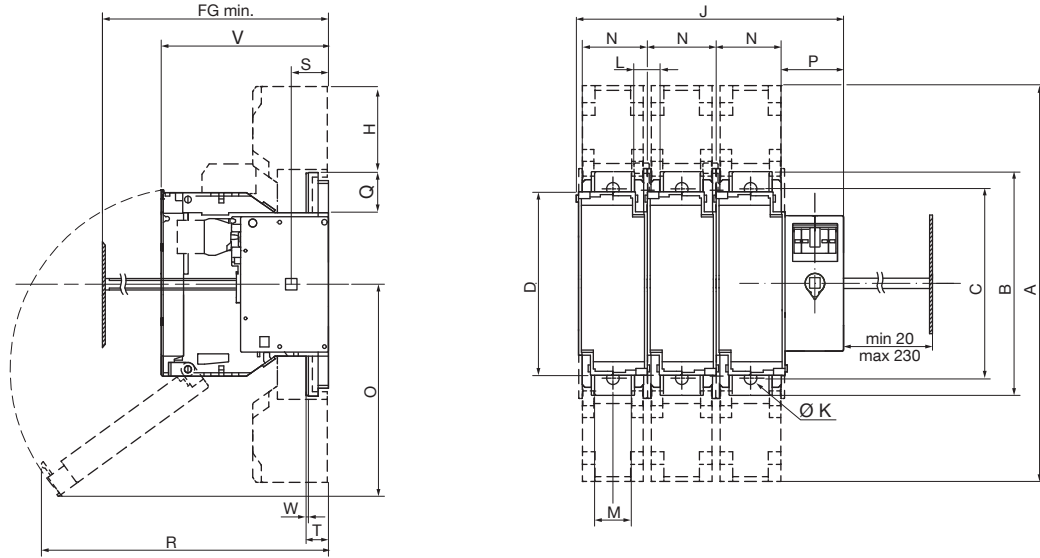
# FUSERBLOC NFC/DIN

Fuse combination switches

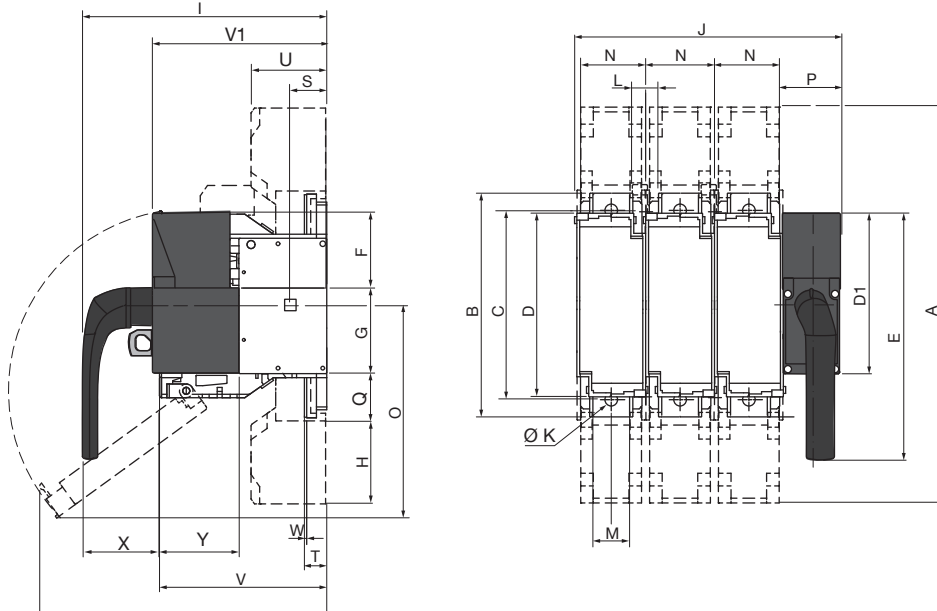
for fuses up to 1250 A

## Right front-side operation dimensions (continued)

250 A



fuser\_748\_a\_1\_X\_cat.ai



fuser\_749\_a\_1\_X\_cat.ai

Rating (A)	Fuse size	Frame size	Fg min.	A	B	C	D	D1	E	F	G	H	I	J		K	L	M	N	O	P	Q	R	S	T	U	V	V1	W	X	Y
														3P	4P																
250	NH1	15	154	345	195	166	162	143	220	67.5	75.5	110	212.1	234	294	8.5	28	32	60	185	51.6	52	251	31	19.5	65	146	142	2.5	58.5	77

Dimensions also valid for:  
3P front operation



4P front operation



3P left-side operation

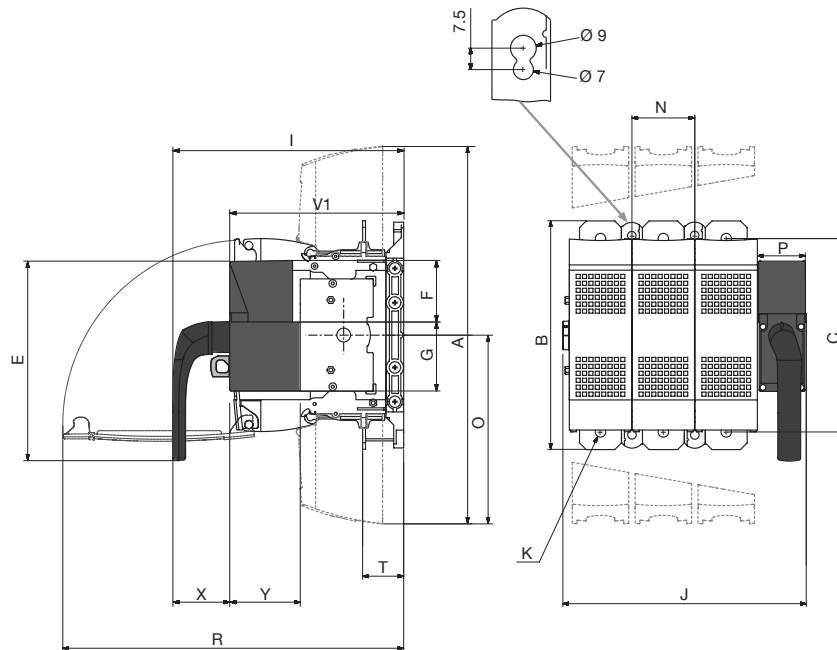
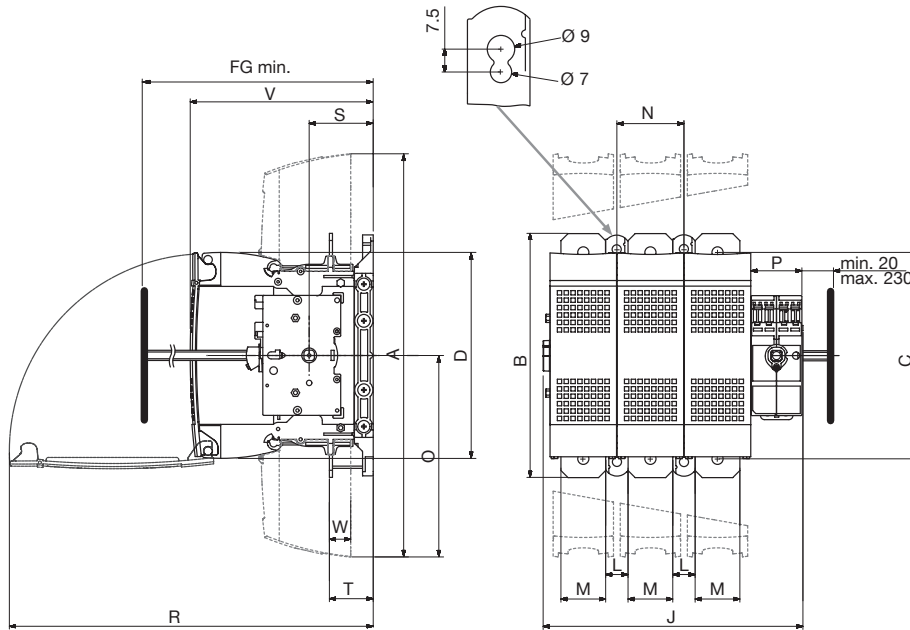


4P left side operation



## Right front-side operation dimensions (continued)

400 A



fuser\_733\_c\_1\_x\_cat.ai

fuser\_750\_a\_1\_x\_cat.ai

Rating (A)	Fuse size	Frame size	Fg min.	A	B	C	D	D1	E	F	G	I	J		K	L	M	N	O	P	R	S	T	V	V1	W	X	Y
													3P	4P														
400	NH2	16	188	397	240	203	203	143	220	67.5	75.5	239	256	321	11	34	32	66	199	50	360	63	43	180	184	3	58.5	77

Dimensions also valid for:  
3P front operation



4P front operation



3P left-side operation



4P left side operation



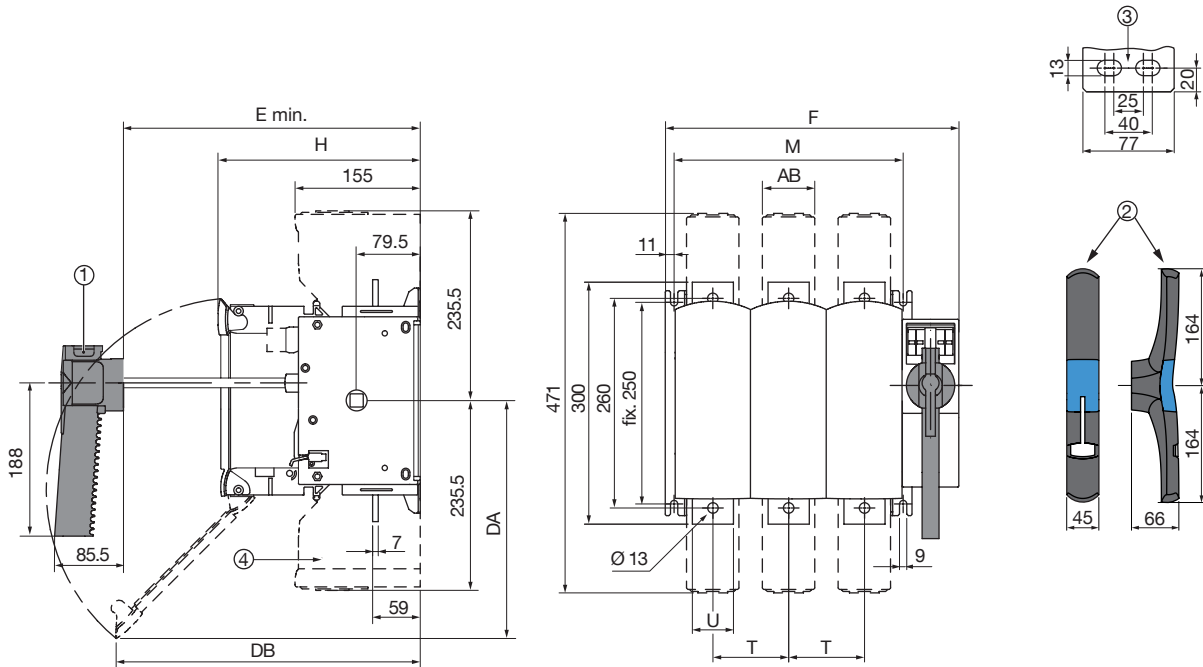
# FUSERBLOC NFC/DIN

Fuse combination switches

for fuses up to 1250 A

## Dimensions for direct and external operation

630 to 1250 A



1. Handle for frame size 17.
2. Handle for frame size 18.
3. Connection terminals for frame size 18.
4. Terminal shroud.

fuser\_415\_1\_x\_cat.ai

Rating (A)	Fuse size	Frame size	Overall dimensions E min.	Case					Mounting accessory		Connection		Terminal shroud AB
				F 3 P	F 4 P	H	DA	DB	M 3p.	M 4p.	T	U	
630	3	17	265	364	458	250	300	380	284	378	94	51	65
800	3	17	265	364	458	250	300	380	284	378	94	51	65
800	4	18	304	442	562	289	355	295	362	482	120	77	88
CD 1250	4	18	304	442	562	289	355	295	362	482	120	77	88

Dimensions also valid for:  
3P front operation



4P front operation



3P left-side operation

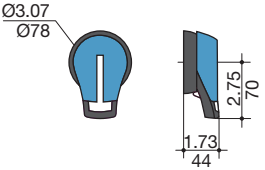
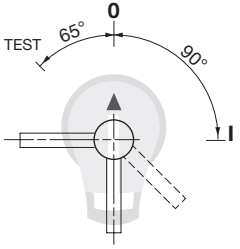
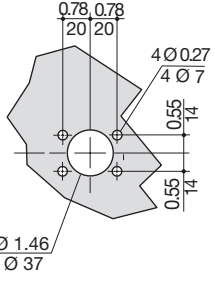
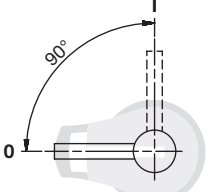
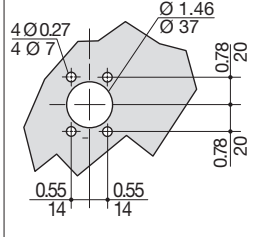


4P left side operation

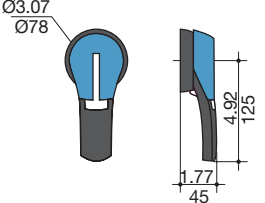
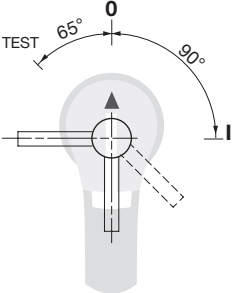
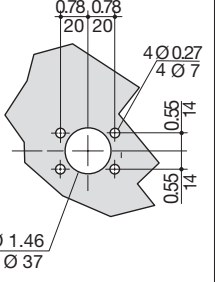
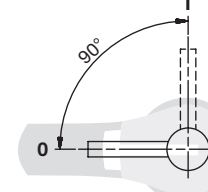
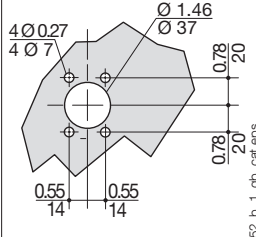


## Dimensions for external handles

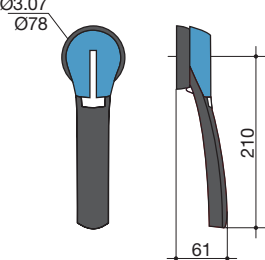
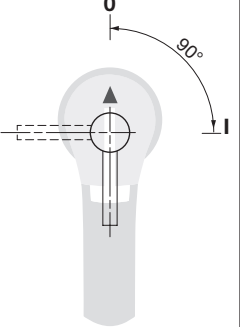
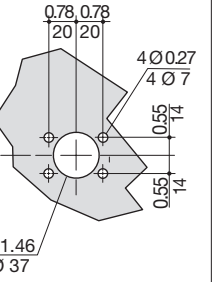
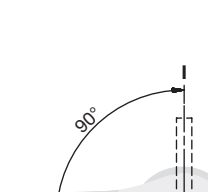
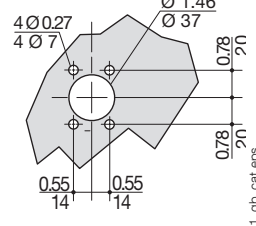
### 25 to 32 A

Handle type	Front operation		Right and left side operation	
	Direction of operation	Door drilling	Direction of operation	Door drilling
<b>S1 type</b> Box size 0  				

### 50 to 400 A

Handle type	Front operation		Right and left side operation	
	Direction of operation	Door drilling	Direction of operation	Door drilling
<b>S2 type</b> Box size 11-16  				

### 630 to 800 A

Handle type	Front operation		Right and left side operation	
	Direction of operation	Door drilling	Direction of operation	Door drilling
<b>S3 type</b> Box size 17  				



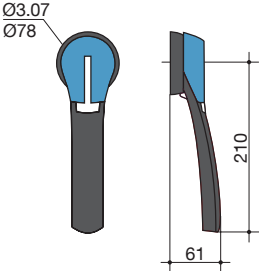

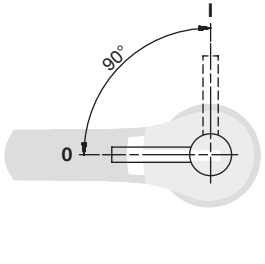
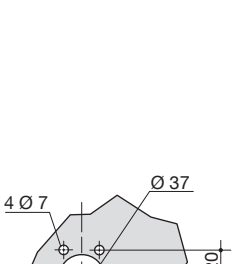
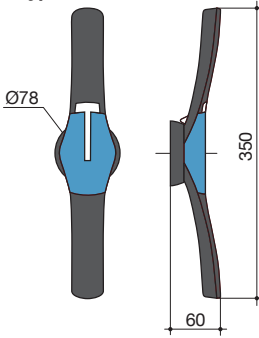
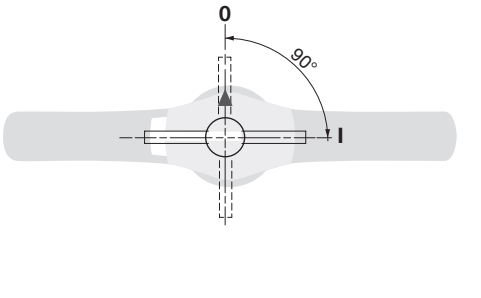


# FUSERBLOC NFC/DIN

Fuse combination switches

for fuses up to 1250 A

## Dimensions for external handles (continued)

800 to 1250 A

Handle type	Front operation Direction of operation	Right and left side operation Direction of operation	Door drilling
<p><b>S3 type</b> Box size 18</p> 			
<p><b>S4 type</b></p> 			

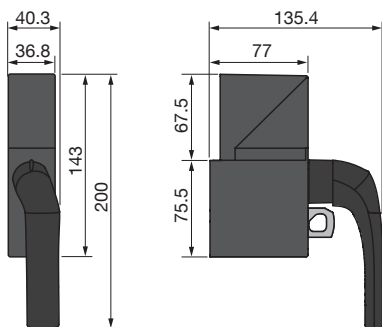
p01gn\_054\_b\_1\_gb\_catal

## Dimensions for direct front operation handle assembly

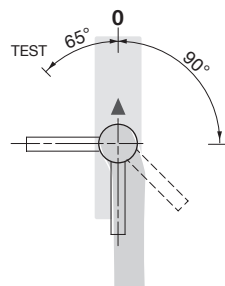
50 to 400 A

### Handle type

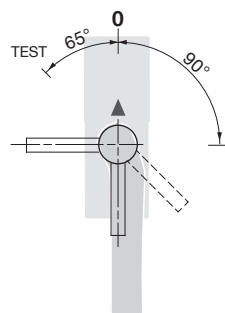
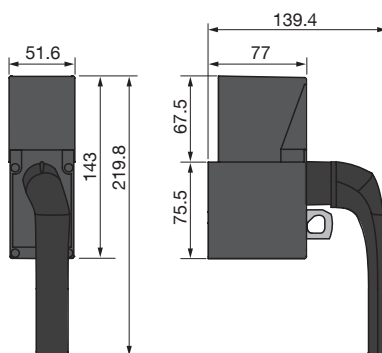
50 to 160 A  
Case 11 to 14



### Direct operation Operating direction



250 to 400 A  
Case 15 to 16



fuser\_753\_a\_1\_en\_cat.ai