# MULTIBLOC® 000.ST9

Size 000, 125A, 690VAC, Design for Bottom Fitting, Triple Pole

#### IEC FUSE SWITCH DISCONNECTORS

### NH FUSE SWITCH DISCONNECTOR



The production programme of MULTIBLOC  $^{\circ}$  000.ST9 comprises NH fuse switch disconnectors for 125A.

They are designed for bottom fitting/panel installation and are available in triple pole units.

For installation of MULTIBLOC<sup>®</sup> NH fuse switch disconnectors of different sizes in distribution units with central cover, respective covers are used to obtain a uniform profile in height and length.

 $\rm MULTIBLOC^{\ast}$  size 000 are designed for NH fuse-links in accordance with IEC/EN 60269-2, VDE 0636-2.

MULTIBLOC® offers the user the possibility of fast and easy installation as well as a high degree of security during installation and maintenance.

### TECHNICAL DATA OVERVIEW

| Voltage AC        | 690 VAC  |
|-------------------|--|
| Voltage DC        | 250 VDC  |
| Amper (A)         | 125 A  |
| Size per Standard | 000  |
| SCCR              | Ue=AC 500 V; le=125A 80kA<br>Ue=AC 690 V; le= 80A 80kA<br>Ue=DC 250V; le=125A 25kA |
| Mounting          | bottom fitting/panel   |
| Switchability     | triple pole switching  |

### **FEATURES & BENEFITS**

- Touch protection IP 30
- Large windows with testing holes
- Width of switch 54mm, installation depth 81mm
- Cable termination: frame clamp 2,5 50mm<sup>2</sup>
- Indicating switch for switch door position optional
- Safe on load connection/disconnection in accordance with IEC 60947
- Padlocking and sealing facility integrated
- Fuse monitoring version available

### **APPLICATIONS**

- House incoming units
- Meter distribution units
- Measuring transformer cabinets
- Transmitting stations for telecommunications

### STANDARDS

• IEC/EN 60 947-3 For NH-fuse links size 000 in accordance with IEC/EN 60 269-2, VDE 0636-2

CE

IEC Fuse Switch Disconnectors / DS-LABCM000ST9-07-0421\_EN

**EP.MERSEN.COM** 

© 2021 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.



### PRODUCT RANGE

### MULTIBLOC® 000.ST9 size 000 125 A, 690VAC bottom fitting, triple pole

| 1 14 | MORES                 |
|------|-----------------------|
|      |                       |
|      |                       |
|      | _ <b>-≻≈4</b> π<br>■Ш |
|      | 5                     |

| Catalog<br>number | ltem<br>number | Poles | Cable termination<br>components       | Package | Weight  |
|-------------------|----------------|-------|---------------------------------------|---------|---------|
| 1.005.070         | D1070423       | 3     | 6 frame clamps 2,5–50 mm <sup>2</sup> | 1 piece | 0.43 kg |
|                   |                |       | 1 7                                   |         | 0       |

1.005.070

## $\rm MULTIBLOC^{*}$ 000.ST9 size 000 125 A, 690VAC bottom fitting, triple pole, equipped with Fuse Monitoring module

| Catalog<br>number | ltem<br>number | Poles | Cable termination<br>components      | Package | Weight |
|-------------------|----------------|-------|--------------------------------------|---------|--------|
| 1.005.170         | J1070428       | 3     | 6 frame clamps 2,5-50mm <sup>2</sup> | 1 piece | -      |

### TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60947

|  | 000.ST9<br>triple pole  |
|--|---|
| Number of poles/phases   | 3   |
| Size   | 000   |
| Conventional free air thermal current with NH-fuse links Ith   | 125 A   |
| Max. power dissipation of fuse links Pn  | 9 W   |
| Conventional free air thermal current with solid links Ith   | 160 A   |
| Max. power dissipation of solid links Pn   | 1,2 W   |
| Rated operational voltage Ue   | 690 V   |
| Utilization category to IEC/EN 60947-3<br>$U_e = AC 400 V; I_e = 100 A$<br>$U_e = AC 400 V; I_e = 125 A$<br>$U_e = AC 500 V; I_e = 100 A$<br>$U_e = AC 500 V; I_e = 125 A$<br>$U_e = AC 690 V; I_e = 80 A$<br>$U_e = DC 250 V; I_e = 80 A$ (L1/L3 serial)<br>$U_e = DC 250 V; I_e = 80 A$ (L1/L3 serial) | AC 23 B<br>AC 22 B<br>AC 22 B<br>AC 21 B<br>AC 21 B<br>DC 22 B<br>DC 21 B |
| Rated insulation voltage U <sub>i</sub>  | 1000 V  |
| Rated impulse withstand voltage U <sub>imp</sub>   | 6 kV  |
| Rated frequency  | 50 60 Hz  |
| Degree of protection   | IP 30   |
| Degree of pollution  | 3   |
| Rated duty   | uninterrupted duty  |
| Rated short circuit making capacity with solid links I <sub>cm</sub>   | 5.1 kApeak  |
| Rated short-time withstand current Icw   | 3.5 kA / 1 s  |
| Rated conditional short-circuit current with fuse links<br>$U_e = AC 500 V$ ; $I_e = 125 A$<br>$U_e = AC 690 V$ ; $I_e = 80 A$<br>$U_e = DC 250 V$ ; $I_e = 125 A$   | 80 kA<br>80 kA<br>25 kA   |
| Power dissipation by I <sub>th</sub> without NH-fuse links   | 8W at 100A load<br>13W at 125A load                                       |
| Cable terminal connection  |   |
| Standard cable terminal  | frame clamp<br>2,5-50mm <sup>2</sup>                                      |
| Installation mode  | bottom fitting  |

IEC Fuse Switch Disconnectors / DS-LABCM000ST9-07-0421\_EN

**EP.MERSEN.COM** 

© 2021 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.

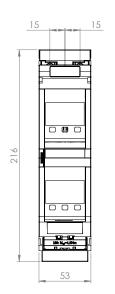


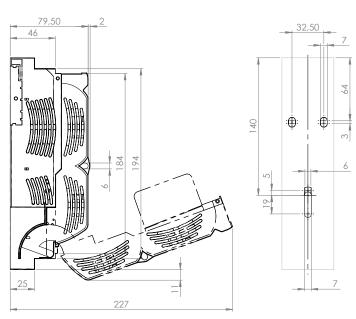
(M01204)

### DIMENSIONS

### MULTIBLOC<sup>®</sup> 000.ST9 size 000 125 A,

690VAC bottom fitting, triple pole

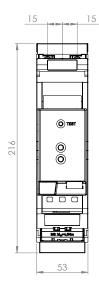


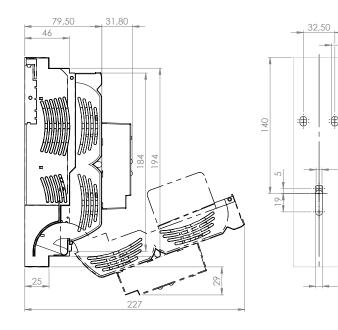


Dimensions in mm

### MULTIBLOC® 000.ST9 size 000 125 A,

#### 690VAC bottom fitting, triple pole, equipped with Fuse Monitoring module (M01209)





Dimensions in mm



3

64

 $\sim$ 

6

7

IEC Fuse Switch Disconnectors / DS-LABCM000ST9-07-0421\_EN



© 2021 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.

### ACCESSORIES

#### **Installation devices**

| Catalog<br>number | Item number | Design  | Package | Weight |
|-------------------|-------------|---|---------|--------|
| 1.005.082         | F1070425    | adapter for installation on to DIN-rails<br>in accordance with DIN EN 60715,<br>35 x 7,5 mm and 35 x 15 mm<br>for 000.ST9 triple pole | 1 piece | 44 g   |

#### **Indication facilities**





#### NH Solid links / Measuring links



| Catalog<br>number          | Item number | Size   | Rated current In | Package | Weight |  |
|----------------------------|-------------|--------|------------------|---------|--------|--|
| Solid links with live tags |             |        |                  |         |        |  |
| NH00NEUTRAL                | Z218269     | 000/00 | 160 A            | 15      | 80 g   |  |

NHOONEUTRAL

IEC Fuse Switch Disconnectors / DS-LABCM000ST9-07-0421\_EN

**EP.MERSEN.COM** 

© 2021 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.



4