

# MULTIVERT® 1000A

Main Incomer, 690VAC

## IEC FUSE SWITCH DISCONNECTORS

### NH VERTICAL FUSE SWITCH DISCONNECTOR



MULTIVERT® NH vertical fuse switch disconnectors meet all functions of NH fuse switch disconnectors. They are designed for installation on to bus bars in triple pole arrangements.

MULTIVERT® main incomers 1000A are for installation on to 185mm bus bar systems.

They are ready fitted with solid links 1000A.

The system is a modular system, that allows the installation of individual components. MULTIVERT® offer the user the possibility of fast and easy installation as well as a high degree of protection during installation and maintenance.

#### TECHNICAL DATA OVERVIEW

Voltage AC	690 VAC
Amper (A)	1000 A
Mounting	bus bar system 185 mm
Switchability	1 x triple pole, 3 x single pole
Number of Poles	3

#### FEATURES & BENEFITS

- Installation on to 185 mm bus bar system
- Suitable for top/bottom cable terminal connections
- With installed cover shroud
- Terminal lugs for cable terminations of large cross sections - multiple termination
- With ready fitted 1000 A solid links
- Safe on load connection/disconnection in accordance with IEC 60947-3

#### APPLICATIONS

- Incoming (feeding) unit for high capacity power distributions
- Switch boards for industrial applications
- Residential and industrial distribution units
- Cable distribution cabinets

#### STANDARDS

- IEC/EN 60 947-3



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## PRODUCT RANGE



1.762.900

### MULTIVERT® main incomer 1000 A 1 x triple pole switching

Catalog number	Reference number	Cable termination components	Design	Weight kg <sup>1</sup>	Package
1.762.900	P1023122	M12 multiple termination Al/Cu max. 300 mm <sup>2</sup> round stranded, sectoral stranded (2 cable lugs), Cu max. 150 mm <sup>2</sup> round stranded, sectoral stranded (3 cable lugs), M = 32-38 Nm	with ready fitted NH-solid links 1000 A	11.80	1 piece

<sup>1</sup> weight in kg per piece or set including package



1.712.900

### MULTIVERT® main incomer 1000 A 3 x single pole switching

Catalog number	Reference number	Cable termination components	Design	Weight kg <sup>1</sup>	Package
1.712.900	N1023121	M12 multiple termination Al/Cu max. 300 mm <sup>2</sup> round stranded, sectoral stranded (2 cable lugs), Cu max. 150 mm <sup>2</sup> round stranded, sectoral stranded (3 cable lugs), M = 32-38 Nm	with ready fitted NH-solid links 1000 A	11.50	1 piece

<sup>1</sup> weight in kg per piece or set including package

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## TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60947

	<b>1000 A 1 x triple pole switching</b>	<b>1000 A 3 x single pole switching</b>
Number of poles/phases	3	3
Size	3	3
Conventional free air thermal current with solid links $I_{th}$	1000 A	1000 A
Max. power dissipation of solid links $P_n$	12 W	12 W
Utilization category to IEC/EN 60947-3 $U_e = AC 400 V; I_e = 1000 A$ $U_e = AC 690 V; I_e = 1000 A$	AC 21 B AC 20 B	AC 21 B AC 20 B
Rated operational voltage $U_e$	690 V	690 V
Rated insulation voltage $U_i$	1000 V	1000 V
Rated impulse withstand voltage $U_{<sub>imp</sub>}$	8 kV	8 kV
Rated frequency	50 ... 60 Hz	50 ... 60 Hz
Degree of protection	IP 20	IP 20
Degree of pollution	3	3
Rated duty	uninterrupted duty	uninterrupted duty
Rated short circuit making capacity with solid links $I_{cm}$	15 kAsw	15 kAsw
Power dissipation by $I_{th}$ 1000 A without solid links	270 W	270 W
Installation mode	bus bar installation	bus bar installation
<b>Cable terminal connection</b>		
Standard cable terminal	2 x M12	2 x M12
for cable lugs Cu max.	2 x 300 mm <sup>2</sup> /phase 3 x 150 mm <sup>2</sup> /phase	2 x 300 mm <sup>2</sup> /phase 3 x 150 mm <sup>2</sup> /phase
for cable lugs Al max.	2 x 300 mm <sup>2</sup>	2 x 300 mm <sup>2</sup>
for copper bars with max. dimensions	80 x 10 mm	80 x 10 mm

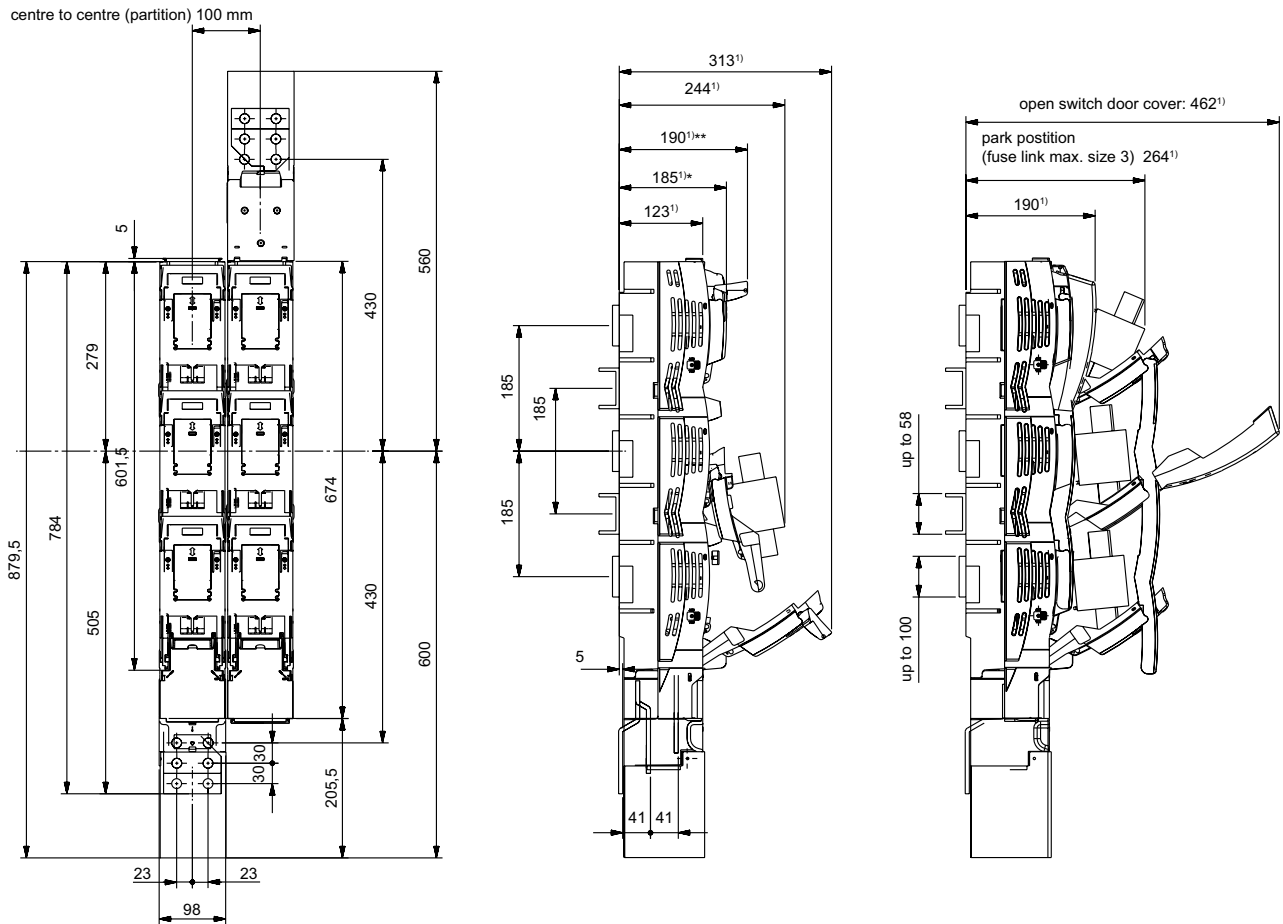


# MULTIVERT® 1000A

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## DIMENSIONS

### MULTIVERT® main incomer 1000A (M01163a)



1) dimensions from upper edge of bus bar

\* 158mm handle in closed position (folded) = total installation depth of MULTIVERT

\*\* 158mm handle in open position (fixed) - switching position

Dimensions in mm

## ACCESSORIES



1.001.510

MZA W

### Covers/level & system adjustment covers

Catalog number	Reference number	Design	Weight	Package
1.001.510	K1002280	cover shield to support central cover 1 set = 2 pieces	0.15 kg	1 set
MZA W	D218687	support angle for support of cover plate 1 set = 4 pieces	27 g	1 set

MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

## ACCESSORIES



MZO1LPAP MZLPAP 1.002.493



1.002.492 1.002.830 1.002.829

### Covers/spare way covers

Catalog number	Reference number	Design	Application	Weight	Package
MZO1LPAP	C1023410	spare way cover without level adjustment width 50 mm, length 500 mm including fixing material	bus bar system 185 mm	60 g	1 piece
MZLPAP	D1023411	spare way cover width 100 mm, length 612 mm including 2 pieces M12 fixing screws (distance of fixing holes 185 mm)	bus bar system 185 mm	0.56 kg	1 piece
1.002.493	N1002283	spare way cover width 50 mm, length 630 mm for covering of open installation spaces in distribution units with central cover	bus bar system 185 mm	0.136 kg	1 piece
1.002.492	M1002282	spare way cover width 100 mm, length 630 mm for covering of open installation spaces in distribution units with central cover	bus bar system 185 mm	0.202 kg	1 piece
1.002.830	E1023412	spare way cover width 50 mm, length 630 mm with level adjustment 123 mm for bus bar installation, set = cover + fixing set (2 distance pieces, 2 screw rivets)	bus bar system 185 mm	0.203 kg	1 set
1.002.829	F1023413	spare way cover width 100 mm, length 630 mm with level adjustment 123 mm for bus bar installation set = cover + fixing set (2 distance pieces, 2 screw rivets)	bus bar system 185 mm	0.27 kg	1 set