

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	Item number	Cable termination components	Design	Package	Weight
1.762.900	P1023122	M12 multiple termination Al/Cu max. 300 mm ² round stranded, sectoral stranded (2 cable lugs), Cu max. 150 mm ² round stranded, sectoral stranded (3 cable lugs), M = 32-38 Nm	with ready fitted NH-solid links 1000 A	1 piece	11.8 kg



1.712.900

MULTIVERT® main incomer 1000 A 3 x single pole switching

Catalog number	Item number	Cable termination components	Design	Package	Weight
1.712.900	N1023121	M12 multiple termination Al/Cu max. 300 mm ² round stranded, sectoral stranded (2 cable lugs), Cu max. 150 mm ² round stranded, sectoral stranded (3 cable lugs), M = 32-38 Nm	with ready fitted NH-solid links 1000 A	1 piece	11.5 kg

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

TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60947

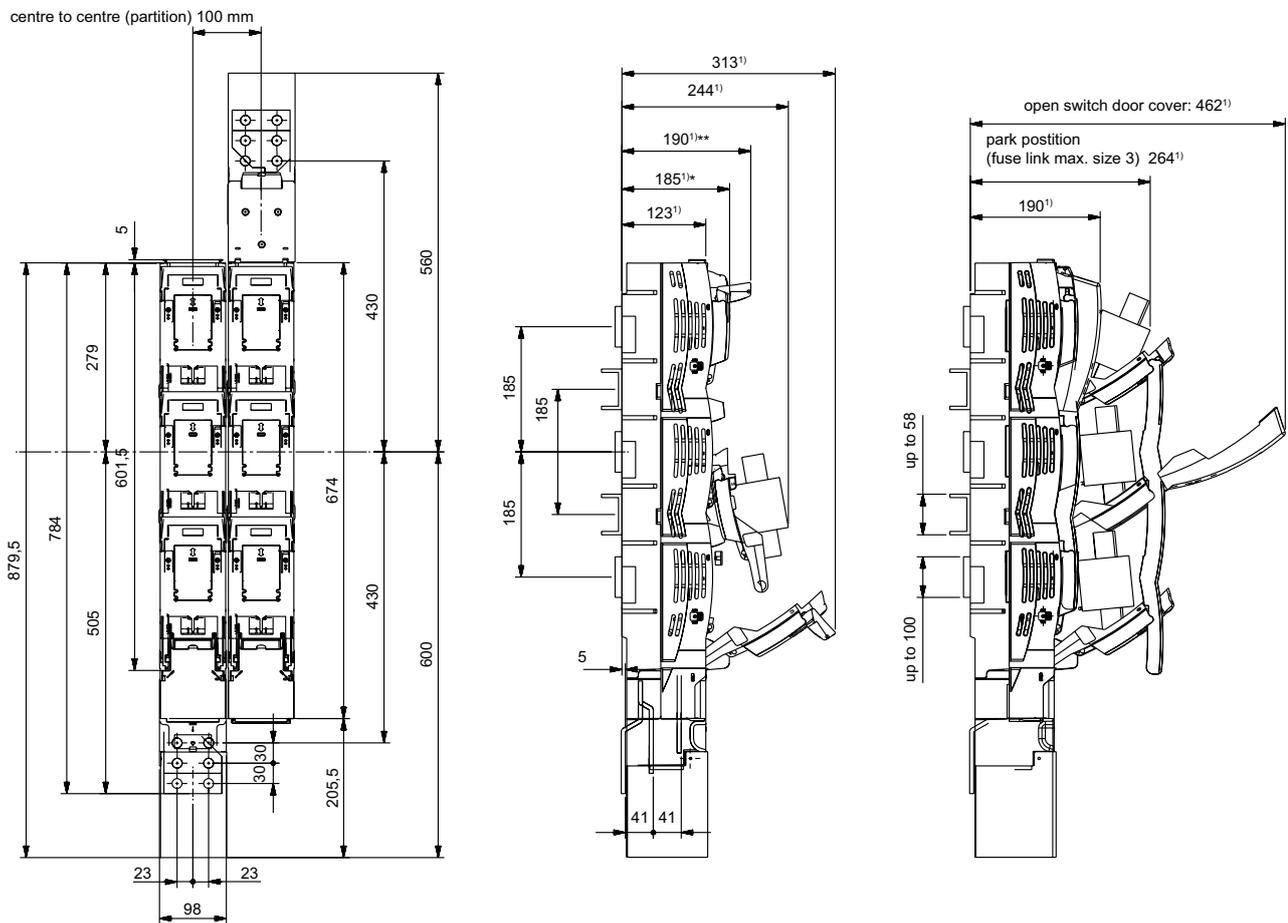
	1000 A 1 x triple pole switching	1000 A 3 x single pole switching
Number of poles/phases	3	3
Size	3	3
Conventional free air thermal current with solid links I_{th}	1000 A	1000 A
Max. power dissipation of solid links P_n	12 W	12 W
Utilization category to IEC/EN 60947-3 $U_e = AC 400 V; I_e = 1000 A$ $U_e = AC 690 V; I_e = 1000 A$	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_{imp}	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
Cable terminal connection		
Standard cable terminal	2 x M12	2 x M12
for cable lugs Cu max.	2 x 300 mm ² /phase 3 x 150 mm ² /phase	2 x 300 mm ² /phase 3 x 150 mm ² /phase
for cable lugs Al max.	2 x 300 mm ²	2 x 300 mm ²
for copper bars with max. dimensions	80 x 10 mm	80 x 10 mm

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DIMENSIONS

MULTIVERT® main incomer 1000A (M01163a-1 und M01163a-2)



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

MZAW

Covers/level & system adjustment covers

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

ACCESSORIES



MZO1LPAP

MZLPAP

1.002.493



1.002.492

1.002.830

1.002.829

Covers/spare way covers

Catalog number	Item number	Design	Application	Package	Weight
MZO1LPAP	C1023410	spare way cover without level adjustment width 50 mm, length 500 mm including fixing material	bus bar system 185 mm	1 piece	60 g
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	1 piece	0.56 kg
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	1 piece	0.14 kg
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	1 piece	0.20 kg
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	1 set	0.20 kg
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	1 set	0.27 kg