

MULTIVERT® 1260A, 1600A

Double Switch Disconnecter Size 2 and 3

IEC FUSE SWITCH DISCONNECTORS

NH VERTICAL FUSE SWITCH DISCONNECTOR



MULTIVERT® NH double vertical switch disconnectors are designed for installation on to bus bars in triple pole arrangements. They are used for installation on to 185mm bus bar systems.

Designs are available for NH solid links size 2 (2 x 630A) and size 3 (2 x 1000A). Dimensions of solid links are equivalent to those of NH fuse links of respective sizes in accordance with IEC/EN 60269-2, VDE 0636-2.

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	400 VAC
Size per Standard	2,3
Mounting	bus bar system 185 mm
Switchability	2x1 x triple pole, 2x3 x single pole
Number of Poles	2x3

FEATURES & BENEFITS

- NH-double vertical switch disconnecter 2, 1260 A
NH-double vertical switch disconnecter 3, 1600 A
- For NH-solid links size 2 630 A and size 3 1000 A
- Installation on to 185mm bus bar system
- Suitable for top/bottom cable terminal connections
- Triple pole and single pole switching
- Multiple cable termination - design with 3 or 4 cables/pole
- Safe on load connection/disconnection in accordance with IEC 60947-3

APPLICATIONS

- Transformer substations
- Switch boards for industrial applications
- Residential and industrial distribution units
- Cable distribution cabinets
- De-energising of electrical circuits for service and maintenance in high capacity applications

STANDARDS

- IEC/EN 60 947-3



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PRODUCT RANGE



1.400.000

MULTIVERT® NH-double vertical switch disconnecter 1260 A single pole switching
1260 A - application of NH-solid links size 2, 630 A, Art.Nr. 22SZSM1
800 A - application of NH-solid links size 2, 400 A

Catalog number	Item number	Cable termination components	Package	Weight
1.400.000	W1023266	triple cable termination M12 bolt	1 piece	11.6 kg
1.400.004	X1023267	quadruple cable termination M12 bolt	1 piece	12.12 kg

MULTIVERT® NH-double vertical switch disconnecter 1600 A single pole switching
1600 A - application of NH-solid links size 3, 1000 A, Art.Nr. 33SZSM2
1260 A - application of NH-solid links size 3, 630 A

Catalog number	Item number	Cable termination components	Package	Weight
1.500.000	S1023125	triple cable termination M12 bolt	1 piece	13.3 kg
1.500.004	T1023126	quadruple cable termination M12 bolt	1 piece	13.8 kg



1.450.000

MULTIVERT® NH-double vertical switch disconnecter 1260 A triple pole switching
1260 A - application of NH-solid links size 2, 630 A, Art.Nr. 22SZSM1
800 A - application of NH-solid links size 2, 400 A

Catalog number	Item number	Cable termination components	Package	Weight
1.450.000	Y1023268	triple cable termination M12 bolt	1 piece	11.9 kg
1.450.004	Z1023269	quadruple cable termination M12 bolt	1 piece	12.3 kg

MULTIVERT® NH-double vertical switch disconnecter 1600 A triple pole switching
1600 A - application of NH-solid links size 3, 1000 A, Art.Nr. 33SZSM2
1260 A - application of NH-solid links size 3, 630 A

Catalog number	Item number	Cable termination components	Package	Weight
1.550.000	V1023127	triple cable termination M12 bolt	1 piece	13.3 kg
1.550.004	W1023128	quadruple cable termination M12 bolt	1 piece	13.8 kg

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TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60947

	1260 A with solid links	1600 A with solid links
Number of poles/phases	2 x 3	2 x 3
Size	2	3
Conventional free air thermal current with solid links I_{th}	1260 A	1600 A
Max. power dissipation of solid links P_n	9 W	17,5 W
Utilization category to IEC/EN 60947-3 $U_e = AC 400 V; I_e = 2 \times 630 A$ $U_e = AC 400 V; I_e = 2 \times 800 A$	AC 21 B -	- AC 22 B
Rated operational voltage U_e	400 V	400 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}	16 kAsw	16 kAsw
Rated short-time withstand current I_{cw}	8 kA / 1 s	12 kA / 1 s
Power dissipation by I_{th} without solid links	270 W	340 W
Installation mode	bus bar installation	bus bar installation
Cable terminal connection		
Standard cable terminal	3 x M12	3 x M12
for cable lugs Cu max.	300 mm ²	300 mm ²
for cable lugs Al max.	300 mm ²	300 mm ²
for copper bars with max. dimensions	60 x 10 mm	60 x 10 mm
Bus bar terminal connection		
Bus bar system	185 mm	185 mm

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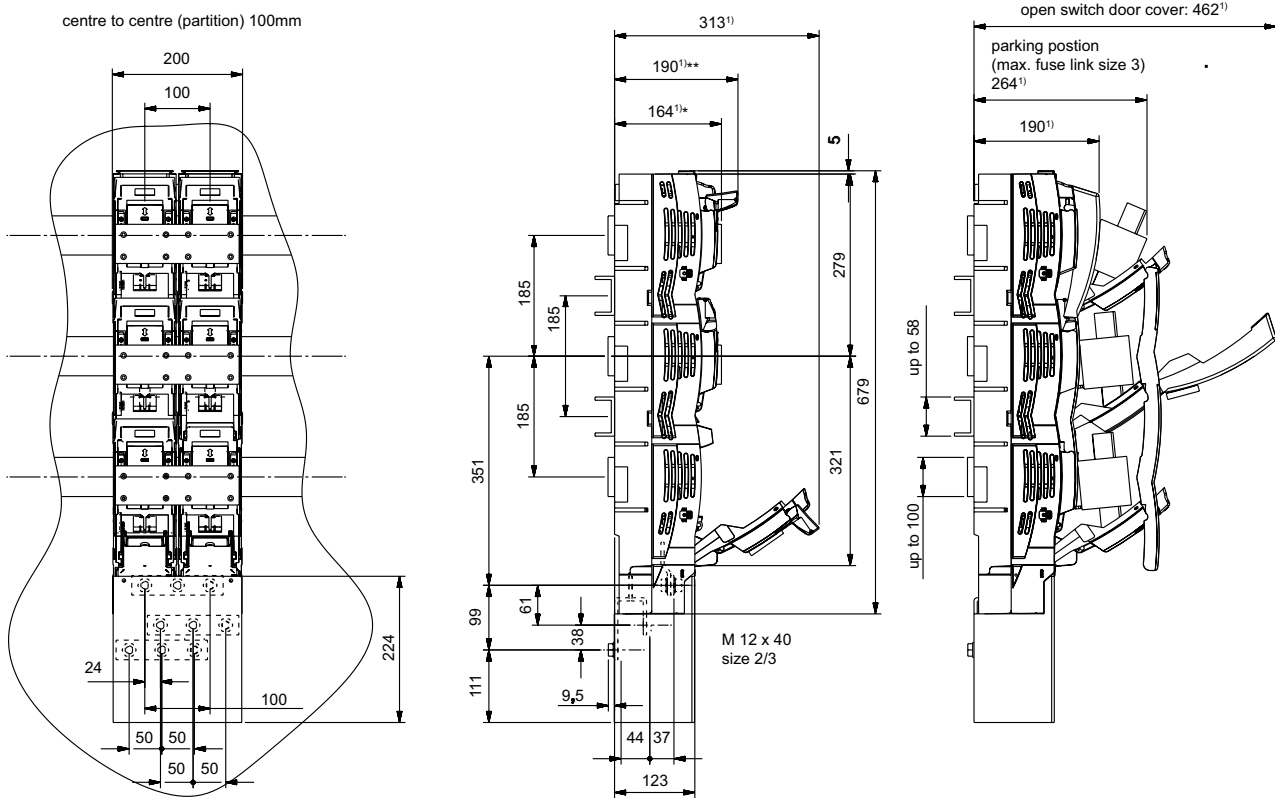
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DIMENSIONS

MULTIVERT® double vertical switches 800A (2x400A), 1260A (2x630A) (M01161a)



1) dimensions from upper edge of bus bar

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

** 190 mm handle in open position (fixed) - switching position

Dimensions in mm



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ACCESSORIES



1.002.394



1.003.320

Cover/shrouds for cable termination

Catalog number	Item number	Design	Application	Package	Weight
1.002.394	Z1023407	cover shroud for double vertical switch, width 200 mm, length 224 mm	bottom terminal	1 piece	0.45 kg
1.003.320	M1023304	cover shroud for double vertical switch, width 200 mm, length 278 mm	top terminal	1 piece	0.31 kg

