

MULTIVERT® 800A, 1260A

Double Fuse Switch Disconnecter Size 2 and 3

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® double vertical fuse switch disconnectors are for installation on to 185mm bus bar systems.

Available designs are MULTIVERT® 800A (2 x 400A and MULTIVERT® 1260A (2x 630A). They are designed for NH fuse-links in accordance with IEC/EN 60269-2, VDE 0636-2, size 2:400A and size 3: 630A.

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	500 VAC
Size per Standard	2,3
SCCR	Ue = AC 500 V; Ie = 2 x 400 A 18kA Ue = AC 500 V; Ie = 2 x 630 A 28kA
Mounting	bus bar system 185 mm
Switchability	2x1 x triple pole, 2x3 x single pole
Number of Poles	2x3

FEATURES & BENEFITS

- NH-double vertical fuse switch disconnecter size 2, 800 A (2 x 400 A)
- NH-double vertical fuse switch disconnecter size 3, 1260 A (2 x 630 A)
- For NH-fuse links in accordance with IEC/EN 60 269-2, VDE 0636-2
- 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

STANDARDS

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



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PRODUCT RANGE



1.400.000

MULTIVERT® NH-double vertical fuse switch disconnecter 800 A single pole switching for NH-fuse links size 2

Catalog number	Reference number	Cable termination components	Weight kg ¹	Package
1.400.000	W1023266	triple cable termination M12 bolt	11.60	1 piece
1.400.004	X1023267	quadruple cable termination M12 bolt	12.12	1 piece

¹weight in kg per piece or set including package

MULTIVERT® NH-double vertical fuse switch disconnecter 1260 A single pole switching for NH-fuse links size 3

Catalog number	Reference number	Cable termination components	Weight kg ¹	Package
1.500.000	S1023125	triple cable termination M12 bolt	13.30	1 piece
1.500.004	T1023126	quadruple cable termination M12 bolt	13.80	1 piece

¹weight in kg per piece or set including package



1.450.000

MULTIVERT® NH-double vertical fuse switch disconnecter 800 A triple pole switching for NH-fuse links size 2

Catalog number	Reference number	Cable termination components	Weight kg ¹	Package
1.450.000	Y1023268	triple cable termination M12 bolt	11.90	1 piece
1.450.004	Z1023269	quadruple cable termination M12 bolt	12.30	1 piece

¹weight in kg per piece or set including package

MULTIVERT® NH-double vertical fuse switch disconnecter 1260 A triple pole switching for NH-fuse links size 3

Catalog number	Reference number	Cable termination components	Weight kg ¹	Package
1.550.000	V1023127	triple cable termination M12 bolt	13.30	1 piece
1.550.004	W1023128	quadruple cable termination M12 bolt	13.80	1 piece

¹weight in kg per piece or set including package

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TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60947

	800 A with fuse links	1260 A with fuse links
Number of poles/phases	2 x 3	2 x 3
Size	2	3
Conventional free air thermal current with NH-fuse links I_{th}	800 A	1260 A
Max. power dissipation of fuse links P_n	34 W	43 W
Utilization category to IEC/EN 60947-3 $U_e = AC 400 V; I_e = 2 \times 400 A$ $U_e = AC 400 V; I_e = 2 \times 630 A$ $U_e = AC 690 V; I_e = 2 \times 400 A$ $U_e = AC 690 V; I_e = 2 \times 630 A$	AC 22 B - AC 21 B -	- AC 22 B - AC 21 B
Rated operational voltage U_e	500 V	500 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 conditional short-circuit current with fuse links $U_e = AC 500 V; I_e = 2 \times 400 A$ $U_e = AC 500 V; I_e = 2 \times 630 A$	18 kA -	- 28 kA
Power dissipation by I_{th} without NH-fuse links	46 W	92 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
Bus bar terminal connection		
Bus bar system	185 mm	185 mm

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



Shah & Shah Enterprise

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ACCESSORIES



1.002.394



1.003.320

Cover/shrouds for cable termination

Catalog number	Reference number	Design	Application	Weight	Package
1.002.394	Z1023407	cover shroud for double vertical switch, width 200 mm, length 224 mm	bottom terminal	0.448 kg	1 piece
1.003.320	M1023304	cover shroud for double vertical switch, width 200 mm, length 278 mm	top terminal	0.307 kg	1 piece

