

MULTIVERT® 1600A

Size 4a, 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® 1250A are for installation on to 185mm bus bar systems.

MULTIVERT® 1250A are designed for NH fuse-links in accordance with IEC/EN 60269-2, VDE 0636-2, size 4a: 1250A.

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)	1600 A
Size per Standard	4a
SCCR	Ue = AC 400 V; Ie = 1600 A 31,5kA
Mounting	bus bar system 185 mm
Switchability	3 x single pole
Number of Poles	3

FEATURES & BENEFITS

- Installation on to 185mm bus bar system
- Top or bottom cable terminal connection
- Safe on load connection/disconnection in accordance with IEC 60947-3

APPLICATIONS

- Switch boards for industrial applications
- Residential and industrial distribution units
- Cable distribution cabinets

STANDARDS

- IEC/EN 60 947-3
For NH-fuse links size 4a in accordance with IEC/EN 60 269-2, VDE 0636-2



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

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PRODUCT RANGE



1.000.095 1.000.096

MULTIVERT® 1600 A size 4a 3 x single pole switching

Catalog number	Item number	Cable termination components	Design	Package	Weight
1.000.095	C1023272	2xM12 screw terminal	bottom terminal	1 piece	16.5 kg
1.000.096	D1023273	2xM12 screw terminal	top terminal	1 piece	16.5 kg

TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60947

	1600 A 3 x single pole switching
Number of poles/phases	3
Size	4a
Conventional free air thermal current with NH-fuse links I_{th}	1600 A
Max. power dissipation of fuse links P_n	140 W
Conventional free air thermal current with solid links I_{th}	1600 A
Max. power dissipation of solid links P_n	42 W
Utilization category to IEC/EN 60947-3 $U_e = AC 400 V; I_e = 1600 A$	AC 21 B
Rated operational voltage U_e	690 V
Rated insulation voltage U_i	1000 V
Rated impulse withstand voltage U_{imp}	8 kV
Rated frequency	50 ... 60 Hz
Degree of protection	IP 20
Degree of pollution	3
Rated duty	uninterrupted duty
Rated conditional short-circuit current with fuse links $U_e = AC 400 V; I_e = 1600 A$	31.5 kA
Rated short circuit making capacity with solid links I_{cm}	68 kAsw
Rated short-time withstand current I_{cw}	32 kA / 1 s
Power dissipation by I_{th} without NH-fuse links	568 W
Power dissipation by I_{th} 1000 A without solid links	568 W
Installation mode	bus bar installation
Cable terminal connection	
Standard cable terminal	2 x M12
for copper bars with max. dimensions	80 x 10 mm

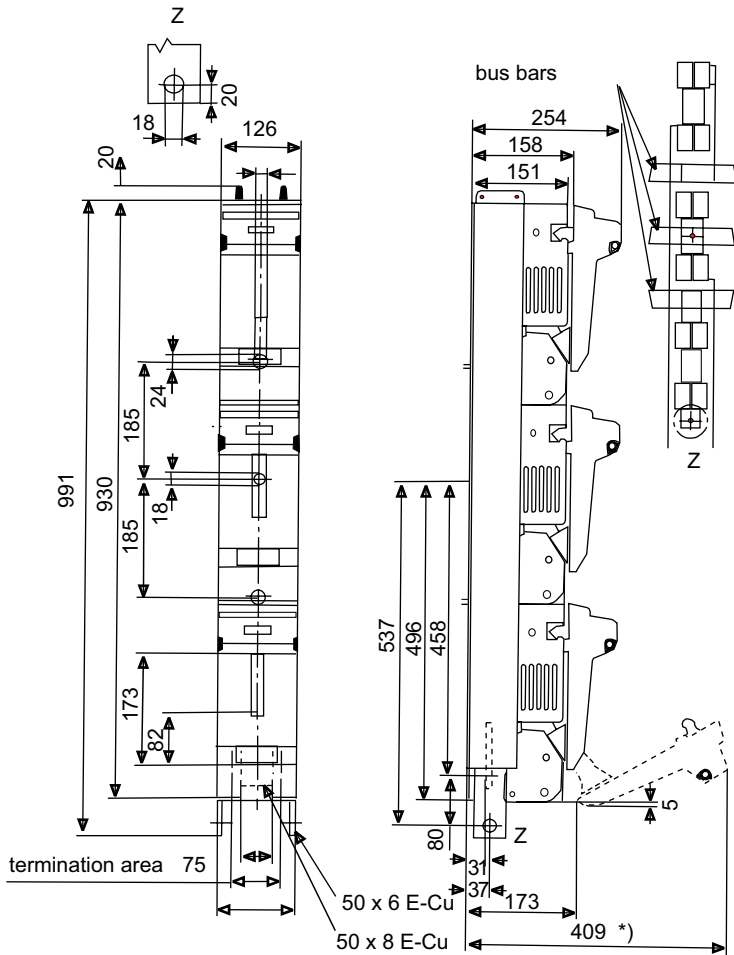
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DIMENSIONS

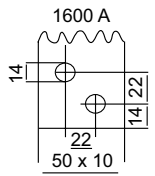
MULTIVERT® NH-vertical fuse switch disconnecter 1600A (M02004)



*) to remove switch door cover 425 mm are required

Dimensions in mm

Cable termination MULTIVERT® 1600A (M02040_1600)



Dimensions in mm

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