

# MULTIVERT® 1600A

Size 4a, 690VAC

## NH Vertical Fuse Switch Disconnecter

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.

### Features Benefits

- Installation on to 185 mm bus bar system
- Top or bottom cable terminal connection

### Applications

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

### Technical data overview

Volt (VAC)	690 VAC
Amper (A)	1600 A
Size per Standard	4a
Mounting	bus bar system 185 mm
SCCR	Ue = AC 400 V; Ie = 1600 A 31,5kA
Number of Poles	3
Switchability	3 x single pole



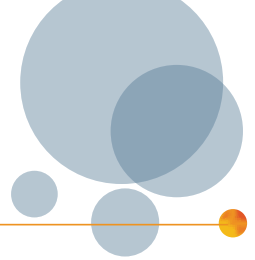
### Standards

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



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## Product range



1.000.095 1.000.096

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

Catalog number	Reference number	Cable termination components	Design	Weight kg <sup>1)</sup>	Package
1.000.095	C1023272	2xM12 screw terminal	bottom terminal	16.50	1 piece
1.000.096	D1023273	2xM12 screw terminal	top terminal	16.50	1 piece

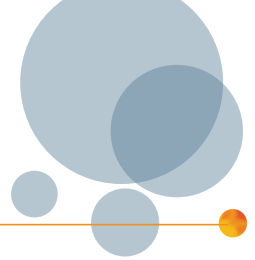
## Technical data in accordance with EN / IEC 60947

	1600 A 3 x single pole switching
Installation mode	bus bar installation
Size	4a
Number of poles/phases	3
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 short circuit making capacity with solid links $I_{cm}$	68 kA <sub>sw</sub>
Rated short circuit making capacity with fuse links $U_e = AC 400 V; I_e = 1600 A$	31.5 kA
Rated short circuit 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
<b>Cable terminal connection</b>	
Standard cable terminal	2 x M12
for copper bars with max. dimensions	80 x 10 mm

1) weight in kg per piece or set including package

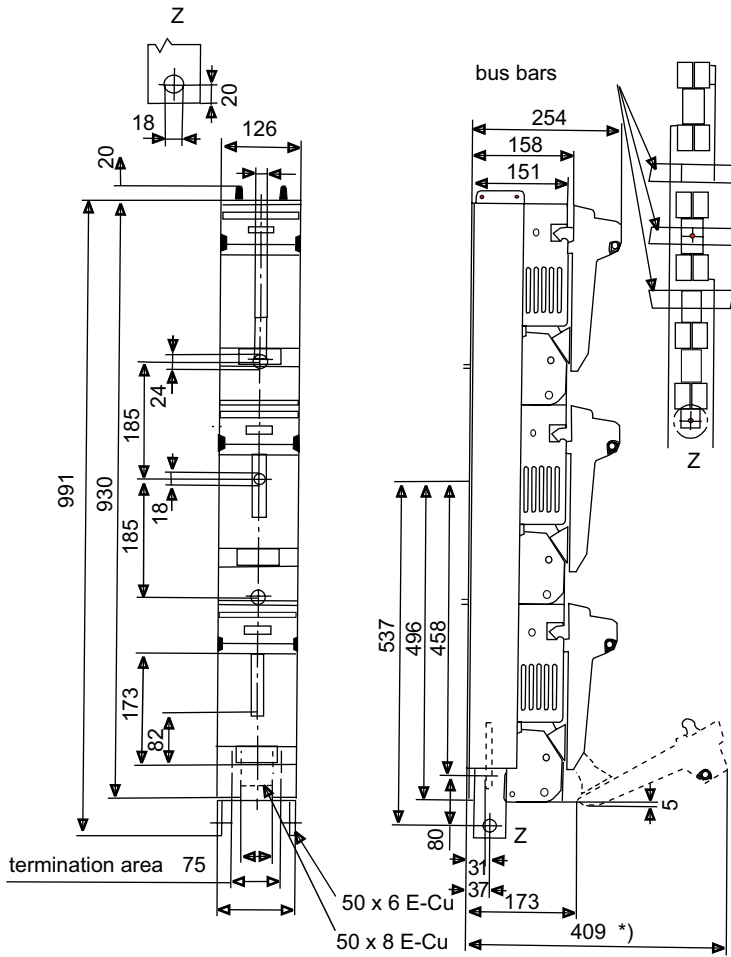
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## Dimensions

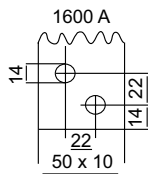
MULTIVERT® NH-vertical fuse switch disconnecter 1600A (M02004)



\*) to remove switch door cover 425 mm are required

Dimensions in mm

Cable termination MULTIVERT® 1600A (M02040\_1600)



Dimensions in mm