



NH FUSE SWITCH  
DISCONNECTORS  
& NH FUSE SYSTEM

MULTIVERT®  
I-XTENSIO



## Flexible MULTIVERT® offering of NH Fuse Switch Disconnectors

### 2 alternative designs available for an adaptable mounting solution

Mersen Multivert covers all panel configurations:

- 123mm installation depth for compact low voltage distribution cabinets
- 150mm for standard installation depth and easy installation of Current Transformers



MULTIVERT® standard design offers a compact solution with an installation depth of only 123mm, allowing space savings when Central Cover can be positioned without constraint.



MULTIVERT® i-Xtensio design offers a user-friendly mounting solution for current transformers at the back of the MULTIVERT® and more standard installation depth of 150mm.

#### MAIN TECHNICAL DIFFERENCES OVERVIEW

	MULTIVERT® SIZE 1,2 & 3	MULTIVERT® I-XTENSIO SIZE 2 & 3
<b>Installation depth of product (between bus bar and central cover)</b>	123 mm	150 mm
<b>Total dimensions – H x W x D Single pole switching version</b>	685 x 100 x 158 mm	685 x 100 x 185 mm
<b>Current Transformers utilization</b>	Integrated CTs Specific Multivert® references with factory premounted current transformers to be ordered	External Current Transformers can be ordered and installed separately according to needs
<b>Specific Accessories offering</b>	Adjustment accessories for compatibility of MULTIVERT 00 with Multivert® size 1, 2 & 3 (depth adapter, height adjustment cover)	Complete range of CTs Mounting accessories for the CTs (covers, wiring kits) Adaptation accessories for MULTIVERT® 00 compatibility with i-Xtensio design (depth adapter, height adaptation cover)

## A step forward into compatibility & connectivity

MULTIVERT® i-Xtensio meets all functions of Mersen previous NH vertical fuse switch disconnectors. It is available in two models, 400A and 630A:

- For installation onto 185mm bus bar systems in triple pole arrangements
- Designed for NH fuse-links in accordance with IEC/EN 60269-2, VDE 0636-2, size 1, 2 and 3, up to 630A.

The i-Xtensio design offers a user-friendly mounting solution for current transformers at the back of the Multivert and more standard installation depth of 150mm. The system is modular and allows the installation of individual components. It offers fast and easy installation as well as a high degree of protection during installation and maintenance.



## Features & Benefits

- Installation onto 185 mm bus bar system
- Standard design with M 12 screws:  $M = 35 \pm 3Nm$
- Direct installation without drilling with hooked clamps possible
- Symmetrical switch - top/bottom cable terminal connection
- Touch protection IP 30 with central cover
- Varieties of cable termination: bolt, insert nut, V-terminal
- Safe on load connection/disconnection in accordance with IEC 60947-3
- Increased installation depth of 150mm
- External Current Transformer mounting possibility

## Applications

- Feeder pillars
- Transformer substations
- Switchboards for industrial applications
- Residential and industrial distribution units



## Standards

- IEC/EN 60 947-3 for NH-fuse links size 1, 2 and 3 in accordance with IEC/EN 60 269-2, VDE 0636-2



## MULTIVERT® i-Xtensio product offer

### Size 2 400A

REFERENCE	CAT. NUMBER	DESCRIPTION
P1200130	7.200.000	Multivert i-Xtensio Size 2, 3x1P, bolts
Q1200131	7.210.000	Multivert i-Xtensio Size 2, 3x1P, insert nuts
R1200132	7.220.000	Multivert i-Xtensio Size 2, 3x1P, V terminals
S1200133	7.250.000	Multivert i-Xtensio Size 2, 1x3P, bolts
T1200134	7.260.000	Multivert i-Xtensio Size 2, 1x3P, insert nuts
W1200136	7.270.000	Multivert i-Xtensio Size 2, 1x3P, V terminals

### Size 3 630A

REFERENCE	CAT. NUMBER	DESCRIPTION
X1200137	7.300.000	Multivert i-Xtensio Size 3, 3x1P, bolts
Y1200138	7.310.000	Multivert i-Xtensio Size 3, 3x1P, insert nuts
Z1200139	7.320.000	Multivert i-Xtensio Size 3, 3x1P, V terminals
A1200140	7.350.000	Multivert i-Xtensio Size 3, 1x3P, bolts
B1200141	7.360.000	Multivert i-Xtensio Size 3, 1x3P, insert nuts
C1200142	7.370.000	Multivert i-Xtensio Size 3, 1x3P, V terminals



### i-Xtensio accessories

ACCESSORIES	REFERENCE	CAT. NUMBER	DESCRIPTION
CT Wiring kit	W1200182	1.005.116	Wiring set for 3 CTs on Multivert i-Xtensio Size 2/3
CT Cover	X1200183	1.005.085	Touch Protection Cover to maintain the CTs in position set of 3 pcs
Current Transformers for i-Xtensio	Y1200184	1.005.087	3xCTs 250/5A, 5VA, class 1, for Multivert i-Xtensio Size 2/3
	Z1200185	1.005.088	3xCTs 400/5A, 5VA, class 1, for Multivert i-Xtensio Size 2/3
	A1200186	1.005.089	3xCTs 600/5A, 5VA, class 1, for Multivert i-Xtensio Size 2/3
Accessories for installation of Multivert 00 in combination with Multivert i-Xtensio	D1200143	1.005.081	Double adapter 100/185 mm for uniform installation depth in combined installation with MULTIVERT® i-Xtensio 400 A, 630 A
	TBD	TBD	Set of adjustment cover parts, with integrated area for labeling to adapt to MULTIVERT® footprint height for 185 mm bus bar system

Current Transformers are available in other ratings. For more information, please refer to the technical datasheet on [ep-fr.mersen.com](http://ep-fr.mersen.com)



1.005.085



1.005.085



1.005.085



## i-Xtensio is IoT compatible

IoT is a game changer: it changes what we deliver, when, where and how. IoT in industrial equipment allows to lower downtime and reduce maintenance costs. Mersen is committed to accompany you along this path.



MULTIVERT® i-Xtensio is Mersen's first step towards a more connected future. We are dedicated to helping you deliver the best possible service by offering the most reliable and technological advanced products.

Mersen is developing a specific device to connect its NH fuse switch disconnectors to the cloud. In addition to executing all its common functions, the MULTIVERT® i-Xtensio will perform energy monitoring with real time measurements and provide service continuity without affecting its safety and protection primary mission.

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GLOBAL EXPERT  
IN ELECTRICAL POWER  
AND ADVANCED MATERIALS

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