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MULTIFIX® 60

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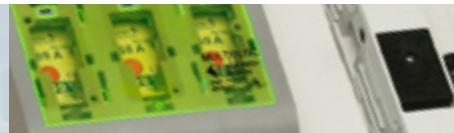
2009

MULTIFIX® 60 - 60 mm bus bar system

3

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MULTIFIX® 60 Product presentation



Product presentation

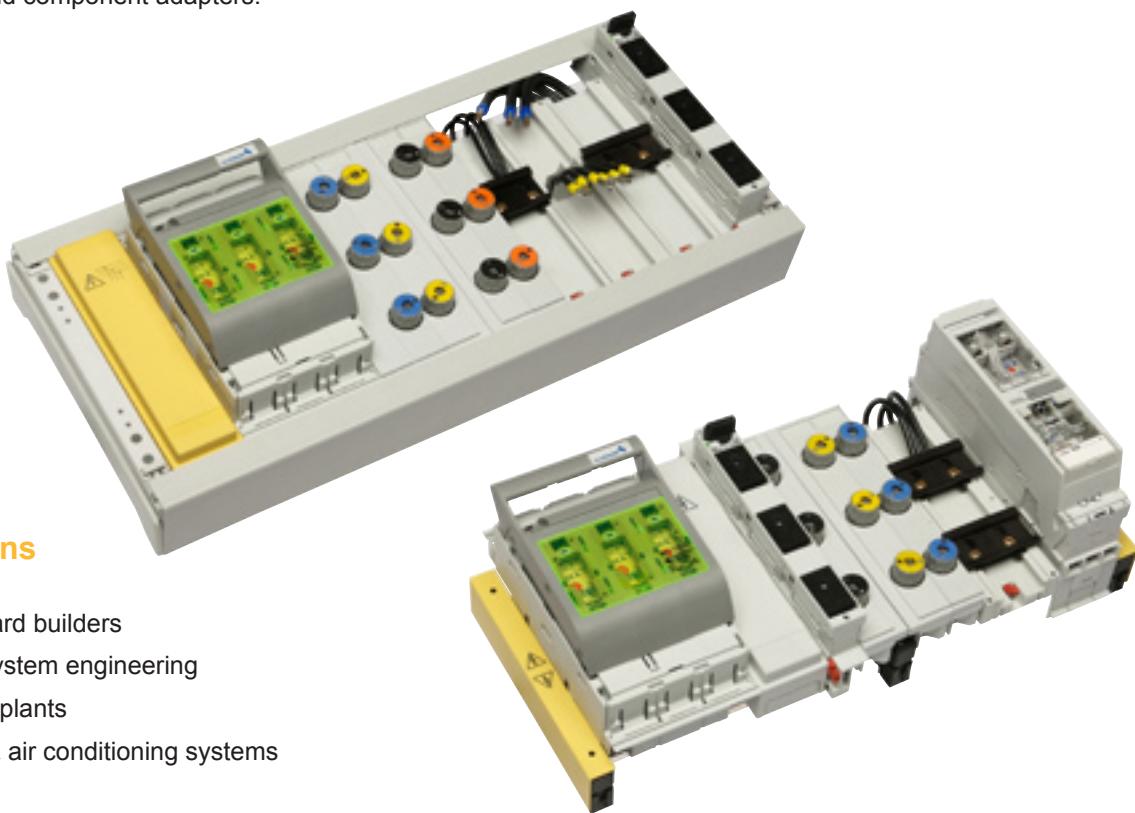
MULTIFIX® 60 is a system for energy distribution comprising a variety of modular combinable components. The energy distribution is carried out via copper bus bars in a 60 mm bus bar system up to 630 A, 400 V AC, 500 V AC, 690 V AC, 45–62 Hz. The components of the system can be used for the installation on to copper bus bars of 12–30 mm width and thickness of 5–10 mm. Short circuit withstand tested to VDE 0660 part 500 and IEC 60439-1.

MULTIFIX® 60 is suitable for triple pole, quadruple pole and quintuple pole applications.

The components of the **MULTIFIX® 60** system are mounted directly without drilling. This method offers high flexibility for extension and alteration of existing installations → reduced installation time.

Network connection is provided via current carrying bus bars by terminal clamp plates or directly by main incomers, which can also be used as outgoing switches. If main incomers are installed, terminal clamp plates are not necessary – reduced installation space → reduced costs.

The current carrying connections are established by devices for direct installation on to bus bar systems, such as NH- and D0 fuse switch disconnectors like **MULTIBLOC®**, **MULTIVERT® TYTAN®R** as well as D02-, DII- and DIII-fuse bases and component adapters.



Applications

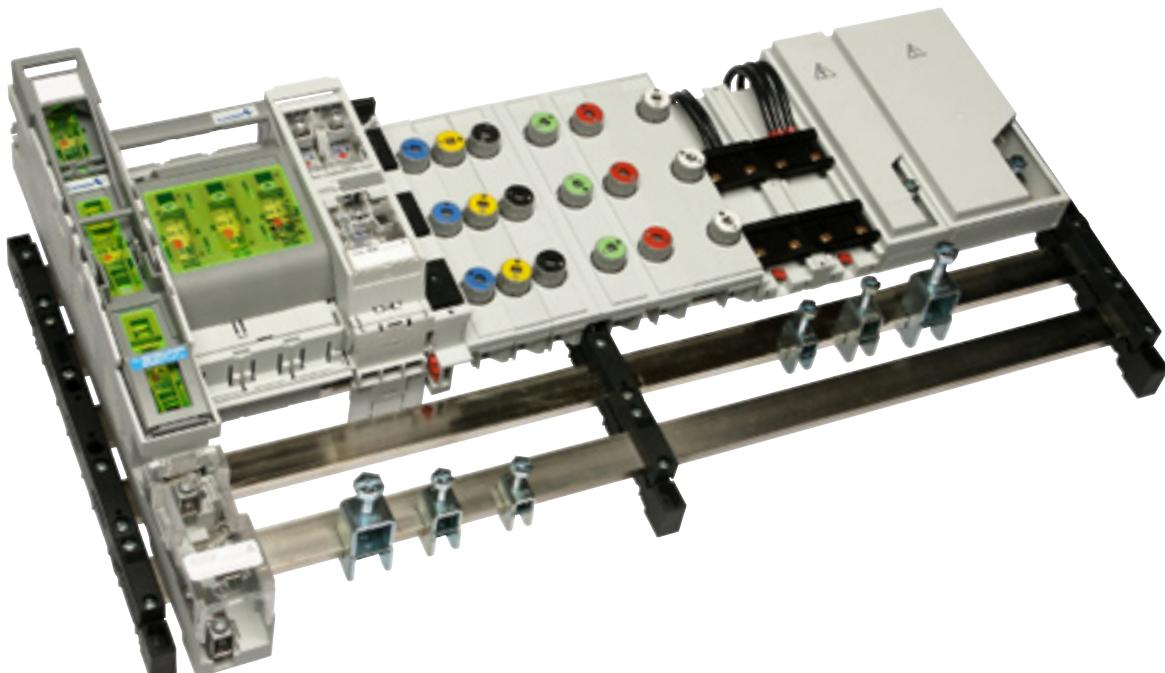
- ◆ Panel board builders
- ◆ Control system engineering
- ◆ Industrial plants
- ◆ Heating & air conditioning systems

subject to alteration



Advantages

- ◆ Quick and easy direct installation of equipment for current distribution
- ◆ For copper bus bars (flat bus bars) with width of 12–30 mm and thickness of 5–10 mm
- ◆ Short circuit withstand up to 50 kA tested in accordance with VDE 0660 part 500 and IEC 60439-1
- ◆ Current ratings up to 630 A, 400 V AC, 500 V AC, 690 V AC, 45–62 Hz
- ◆ Triple pole, quadruple pole or quintuple pole systems
- ◆ Devices are directly snapped on to the bus bars → saves time and costs for the user
- ◆ Installation without an enclosure possible
- ◆ Modern flexible system
- ◆ Touch protection IP 20 due to compartmentalized cover system
- ◆ Materials used are self extinguishing, free of halogen, phosphor, silicon and CFC
- ◆ Marked for classified recycling
- ◆ Installation of triple pole fuse units:
 - ◆ D0-, DII- and DIII-fuse bases
 - ◆ D02-vertical fuse switch disconnectors, triple pole switching
 - ◆ Component adapter for D0-fuse switch disconnectors
 - ◆ MULTIBLOC® NH-fuse switch disconnectors size 000, 00, 1 and 2
 - ◆ MULTIVERT® NH-fuse switch disconnectors 160 A, 1 x triple pole switching



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MULTIFIX® 60 System components



System components

MULTIFIX® 60 bus bar carriers are modular devices, single pole, double pole¹⁾, triple pole, quadruple pole and quintuple pole combinations can be modified with a minimum number of system components.

The universal bus bar carrier is designed for bus bars with thickness of 5 mm or 10 mm retaining unchanged height of supporting edge without use of additional accessories (distance pieces).

The 2-hole fixing and 4-hole fixing modular system concept provides the carrier for use in distribution units with central cover and for installation on to subplates. (see page 11–16).

MULTIFIX® 60 D0-fuse bases are the most advanced presently available on the market. Directly in the fuse base integrated labelling area avoids mistakes in labelling during installation or maintenance. The use of high grade steel clamps up to 25 mm² enables easy cabling and guarantees reduced power dissipation. The bus bar carrier can be assembled over by lateral (left or right side) enlarged covers. An audible snap into place signals the correct installation of the fuse base on to the bus bars. Rear touch protection of bus bars is provided by top and bottom covering device in addition to front touch protection by covers for 27 mm, 36 mm and 54 mm (see page 17–19).

MULTIBLOC® NH-fuse switch disconnectors, size 000, 100 A size 00, 160 A size 1 250 A, size 2 400 A (see page 37–46), D0-, DII- and DIII-fuse bases for direct installation on to the bus bar systems as well as component adapters establish the current connection via direct contact on to the bus bar. The production programme additionally comprises a triple pole switching D02-vertical fuse switch disconnector (see page 30–36). A new, patented solution allows the direct installation of **MULTIVERT®** NH-vertical fuse switch disconnectors size 00, 160 A, 3 x single pole switching. The **MULTIVERT®** can be snapped directly on to the bus bar system without drilling and is therefore completely integrated into the system (see page 47–49).

MULTIFIX® 60 component adapters are also a system of modular devices. They are supplied with terminal connection cables in various cross sections, if required also without contacts. On request the standard adapter base of a width of 45 mm can be extended in steps with lateral extension parts of 9 mm each. The universal supporting bars with clamp and expanding techniques are available in various widths 45 mm to 81 mm. Depending on the application one or two bars can be snapped on. A component adapter with central terminal connection is also available (see page 27–29).

MULTIFIX® 60 terminal clamp plates are individually configurable. With standard types of two heights and two widths terminal clamps with cross sections 16 mm² to 185 mm² can be used. This modular system allows each individual incoming configuration to be realised accurate and at low costs. The production programme is completed with an additional terminal clamp module of 630 A/300 mm² (see page 22–26).

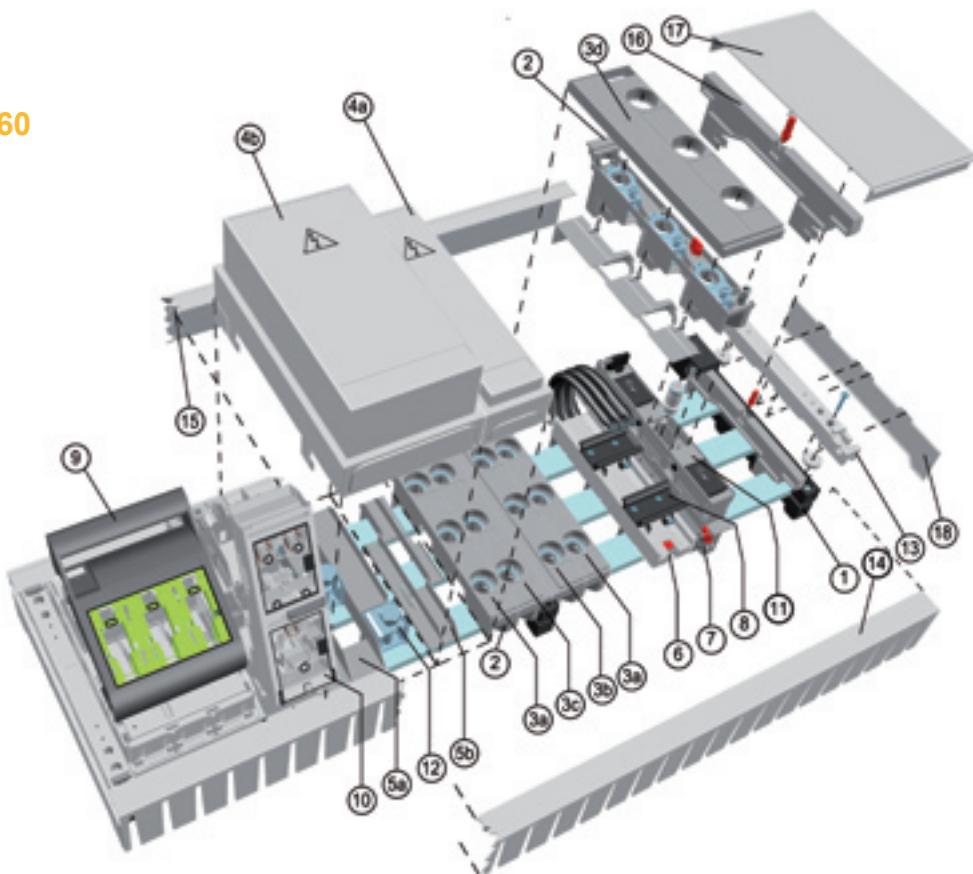
The **MULTIFIX® 60 covering and compartmentalizing system** allows touch protected installation without use of a central cover (see page 51–54).

1) Single and double pole bus bar carrier for single installation and as option available for combination with triple pole bus bar carrier for 4-pole und 5-pole design.

subject to alteration



MULTIFIX® 60



no.	description/product	article no.
1	bus bar carrier, 2 internal fixing holes + 2 external fixing holes	1.002.100
2	D02-fuse base, width 27 mm	1.000.758
3a	touch protection cover for D0-fuse base, width 27 mm	1.000.762
3b	touch protection cover for D0-fuse base, width 36 mm, left side	1.000.763
3c	touch protection cover for D0-fuse base, width 36 mm, right side	1.060.767
3d	touch protection cover for D0-fuse base, width 54 mm, left side	1.000.764
4a	touch protection cover cap grey 200 x 54 x 42, 16–35 mm ²	1.000.771
4b	touch protection cover cap grey 200 x 108 x 78, 16–185 mm ²	1.000.773
5a	bus bar protection plate, width 108 mm	1.000.775
5b	bus bar protection plate, width 54 mm	1.000.774
6	component adapter, width 45 mm, 3 x 6 mm ²	1.000.787
7	lateral extension piece, width 9 mm	1.000.788
8	universal bus bar carrier for component adapter, width 54 mm	1.000.791
9	MULTIBLOC® 00.RST9 NH-fuse switch disconnector size 00, 160 A	2.084.000
10	MULTIBLOC® 000.RST8 NH-fuse switch disconnector size 000, 100 A, width 54 mm	1.002.571
11	TYTAN® D02-vertical fuse switch disconnector, triple pole switching	1.002.602
12	terminal clamp 16–185 mm ²	1.001.158
13	compartmentalized bus bar frame	1.001.075
14	insulated cover with slots	SAS0143
15	insulated cover without slots	SAS0142
16	blanking support system	SAS0148
17	cover for spare way	SAS0149
18	lateral cover for bus bar carrier attachable to 1.002.100 (1) in combination with 1.001.075 (13)	SAS0145

subject to alteration



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm



Universal bus bar carrier

- ◆ Design for bus bars with thickness 5 mm and 10 mm with same supporting edge
(bottom of bus bar carrier just rotated 180°)
- ◆ Universal application for bus bars with width of 12, 15, 20, 25 and 30 mm
- ◆ Modular system concept 2-hole fixing, 4-hole fixing
- ◆ Single pole, double pole, triple pole, quadruple pole and quintuple pole combinations with a minimum number of system components¹⁾
- ◆ For use in distribution units with central cover (e.g. direct installation on to exchangeable frame of STRIEBEL system with self-tapping screws)
- ◆ For installation on to subplate suitable for installation with **MULTIFIX® 60** covering and compartmentalizing system
- ◆ Installation of additional equipment over bus bar possible

1) Single and double pole bus bar carrier for single installation and as option available for combination with triple pole bus bar carrier for 4-pole and 5-pole design.

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MULTIFIX® 60

9

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Bus bar carrier – product presentation

- ◆ Universal bus bar carrier for installation of bus bars with thickness of 5 or 10 mm retaining unchanged height of supporting edge without use of additional accessories (distance pieces)



Dimensional drawing

Universal – bus bar carrier for bus bars with thickness 5 mm and 10 mm
retaining unchanged height of supporting edge

M 02048

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

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MULTIFIX® 60



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

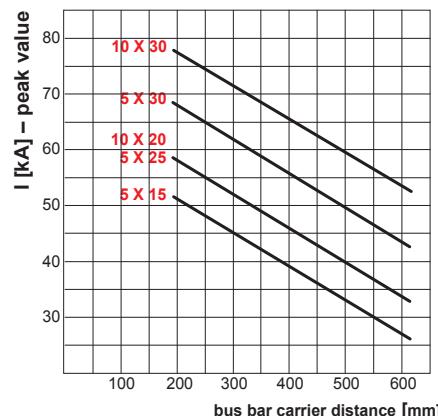
Universal bus bar carrier

Technical data

rated operational voltage U_e	690 V
track resistance/comparative tracking index	CTI 600
fire resistance	UL 94-V0
temperature resistance	200°C
glow wire test	960°C
free of halogen, phosphor, silicon and CFC	
marked for classified recycling	

dimension bus bar carrier	rated short time withstand current I_{cw} in kA (effective value) bus bar carrier – distance	
	200 mm	600 mm
10 x 30 mm	45	24
5 x 30 mm	40	20
10 x 20 mm	35	18
5 x 20 mm	30	15

Short circuit resistance of MULTIFIX® 60



subject to alteration



MULTIFIX® 60

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60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

MULTIFIX® 60

Bus bar carrier – product range

- ◆ Universal bus bar carrier for the installation of bus bars with thickness of 5 or 10 mm retaining unchanged height of supporting edge
- ◆ For bus bars with width of 12, 15, 20 and 30 mm

Universal bus bar carrier



1.002.100

For copper bars,
width 12–30 mm, thickness 5–10 mm

Bus bar carrier triple pole

article-number	poles	design	weight kg/piece	package pieces
1.002.100	3	universal bus bar carrier for bus bars with thickness of 5 and 10 mm 2 internal fixing holes two 25 mm self-tapping fixing screws	0.121	10



1.002.101



1.002.102



1.002.100 +
2 x 1.002.101

Bus bar carrier single pole

article-number	poles	design	weight kg/piece	package pieces
1.002.101	1	universal bus bar carrier for bus bars with thickness of 5 and 10 mm attachable to 1.002.100 left and/or right for extension to 4- or 5-pole bus bar carrier ¹⁾ one 25 mm self-tapping fixing screw	0.048	10
1.002.102	1	universal bus bar carrier for bus bars with thickness of 5 and 10 mm individual installation two 25 mm self-tapping fixing screws	0.04	10

Bus bar carrier



1.000.752



1.000.755

For copper bars,
width 30 mm, thickness 10 mm

Bus bar carrier only for individual installation

article-number	poles	design	weight kg/piece	package pieces
1.000.752	3	2 internal fixing holes, + 2 external fixing holes	0.13	10
1.000.755	1	2 fixing holes for individual installation	0.07	10

1) see picture

subject to alteration



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Bus bar carrier – product range

- ◆ Universal bus bar carrier for the installation of bus bars with thickness of 5 or 10 mm retaining unchanged height of supporting edge
- ◆ For bus bars with width of 12, 15, 20 and 30 mm

Accessories for MULTIFIX® 60 bus bar carrier



1.002.109

External fixing device

article-number	design	weight kg/piece	package pieces
1.002.109	bus bar carrier extern, fixing device triple pole art.no. 1.002.000 (with self-tapping fixing screw 10 mm)	0.006	20



1.002.107



1.002.108



2 x 1.002.101 + 1.002.110



1.002.110

Fixing screw

article-number	design	weight kg/piece	package pieces
1.002.107	self-tapping fixing screw 25 mm	0.004	20
1.002.108	self-tapping fixing screw 10 mm	0.002	20

Connection piece for bus bar carrier double pole

article-number	design	weight kg/piece	package pieces
1.002.110	connection piece for assembly of bus bar carrier double pole ¹⁾ with two pieces bus bar carrier single pole art.no. 1.002.101	0.006	20

End covers

End covers triple pole and single pole for universal bus bar carriers see page 13.

1) see picture

subject to alteration



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Bus bar carrier – product range accessories

End cover

- ◆ For lateral touch protection IP 30 on left and right ends of MULTIFIX® 60 installation
 - ◆ Design:
 - ◆ Single 1 x 90°angle
 - ◆ Extended with lateral cover of installed device: 2 x 90°angle
- Application for example for additional lateral touch protection of D02-fuse switch disconnector



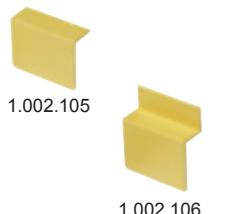
1.002.100 + 1.002.104



1.002.103



1.002.104



1.002.105

1.002.106



1.000.757

End covers

End cover triple pole

article-number	poles	design	weight kg/piece	package pieces
1.002.103	3	touch protection single (1 x 90°angle) yellow with warning label	0.019	20
1.002.104	3	touch protection with lateral cover (2 x 90°angle) yellow with warning label	0.024	20

End cover single pole

article-number	poles	design	weight kg/piece	package pieces
1.002.105	1	touch protection single (1 x 90°angle)	0.006	20
1.002.106	1	touch protection with lateral cover (2 x 90°angle)	0.007	20

End cover for bus bar carrier for individual installation (art. no. 1.000.752)

article-number	design	weight kg/piece	package pieces
1.000.757	touch protection yellow with warning label	0.015	20

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60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

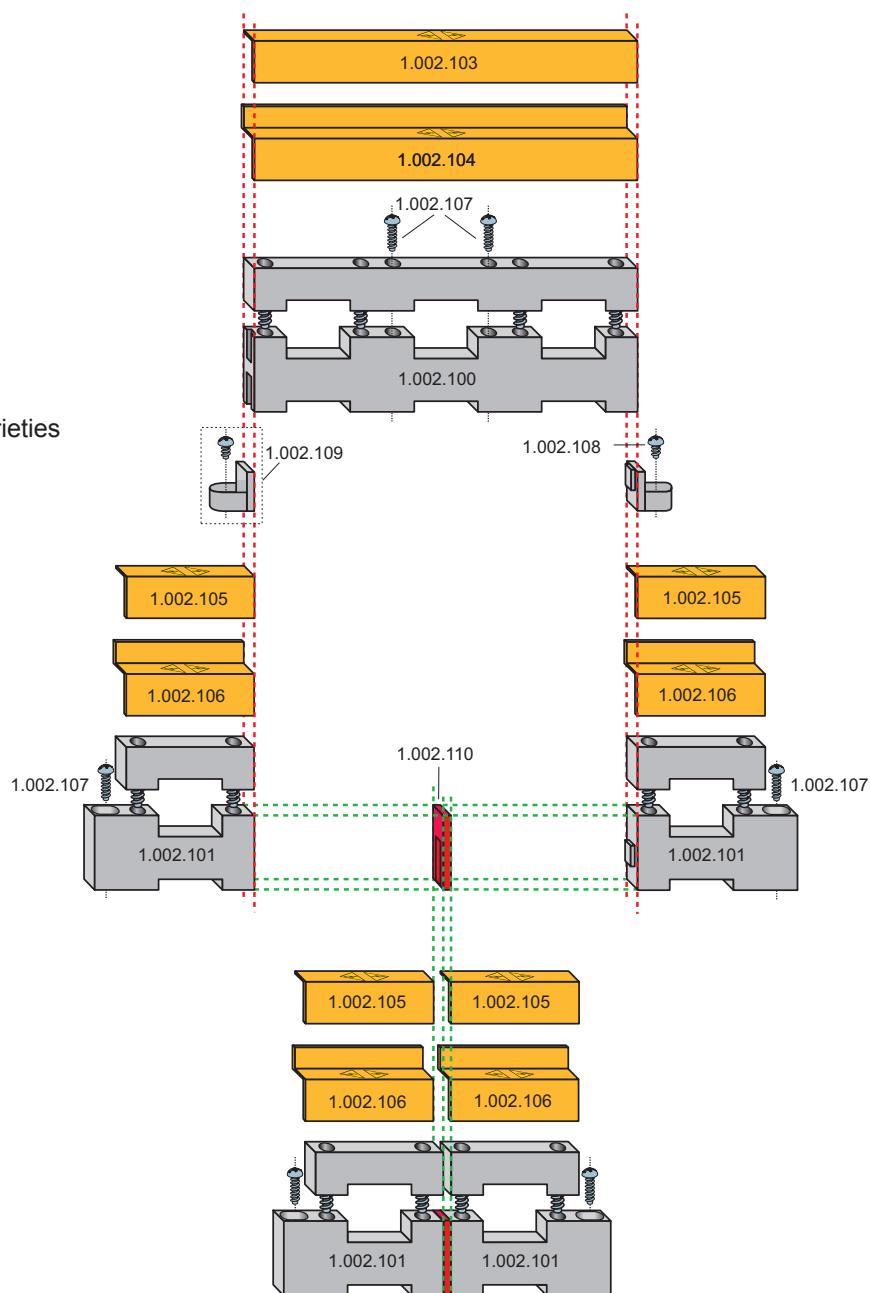
Bus bar carrier – varieties and combinations

Universal bus bar carrier for installation of bus bars with thickness of 5 or 10 mm retaining unchanged height of supporting edge

Design

- ◆ Single pole
- ◆ Double pole
- ◆ Triple pole
- ◆ Quadruple pole
- ◆ Quintuple pole

Fast and easy assembly of all varieties
with a minimum number of
system components.



subject to alteration



MULTIFIX® 60

15

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60 bus bar carrier

Dimensional drawing

Universal – bus bar carrier

M 02039

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drawing no. (M) see top banner right side

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MULTIFIX® 60



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 30 mm, thickness 10 mm

MULTIFIX® 60 bus bar carrier

Dimensional drawing

Universal – bus bar carrier for individual installation

M 02005

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60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

D02 fuse bases E18 – for direct installation on to 60 mm bus bar system

For D0-fuse links 2–63 A in accordance with DIN 49 522 and cartridge ring adapter inserts D0 in accordance with DIN 49 523

- ◆ Direct snap-on installation on to copper bars, width 12–30 mm, thickness 5–10 mm
- ◆ Touch protected to DIN 49524 – finger proof
- ◆ Labelling area integrated directly in the fuse base to avoid mistakes in labelling during installation and maintenance
- ◆ Use of high grade steel clamps up to 25 mm² with reduced power dissipation
- ◆ Rear touch protection of bus bars by top and bottom covering device
- ◆ Front touch protection by cover for 27 mm – standard design
as well as for 36 mm and 54 mm with extension
- ◆ Cover for bus bar carrier with touch protection cover with lateral (left or right) extended covers



subject to alteration

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

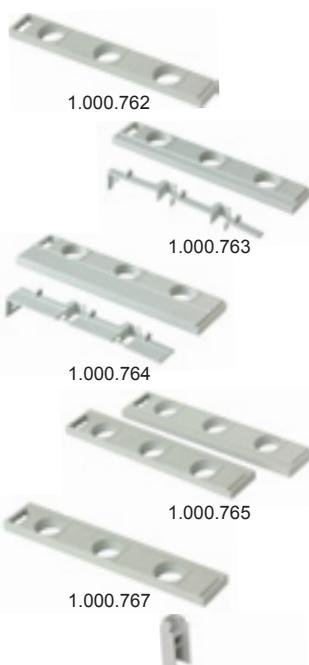
MULTIFIX® 60

D02 fuse bases E18 – for direct installation on to 60 mm bus bar system



D02-fuse bases triple pole

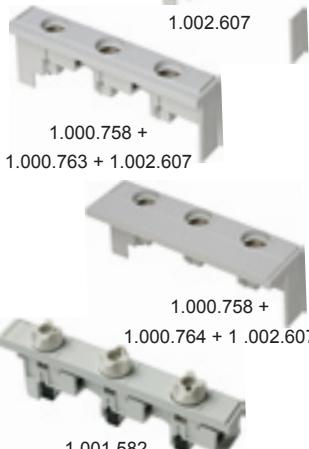
article-number	type	design	weight kg/piece	package pieces
1.000.758	E 18, D02	width 27 mm, without cover	0.15	10
1.000.759	E 18, D02	width 27 mm, with cover	0.16	10



Accessories for D02-fuse base

Touch protection cover for D0-fuse bases triple pole

article-number	type	design	weight kg/piece	package pieces
1.000.762	–	width 27 mm	0.015	10
1.000.763	left side	width 36 mm, with extension	0.027	10
1.000.764	left side	width 54 mm, with extension	0.036	10
1.000.765	cover pair left and right	width 2 x 36 mm, with extension	0.042	10
1.000.767	right side	width 36 mm, with extension	0.021	10
1.002.607	cover pair top and bottom	cover pair for top and bottom of fuse base for rear touch protection of bus bar	0.013	10



D0-supplementary set

article-number	design	weight kg/piece	package pieces
1.001.582	complete supplementary set for distribution units: 1 D02-fuse base 1.000.758 1 touch protection cover 1.000.762 3 D02 screw caps 0801 2 terminal clamps 1.000.776	0.28	1

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MULTIFIX® 60

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60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

D02 fuse bases E18 – for direct installation on to 60 mm bus bar system

Dimensional drawing

Universal – D02-fuse basees E 18 for direct installation on to 60 mm bus bar system

M 02046a

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drawing no. (M) see top banner right side

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Technical data

rated operational current I_e	2 to 63 A
rated operational voltage U_e	400 V AC, 250 V DC
rated short circuit making capacity	50 kA
track resistance / comparative tracking index	CTI 600
fire resistance	UL94-V0
temperature resistance	200°C
glow wire test	960°C
cage clamp steel V2A	1.5–25 mm², 3–4 Nm
free of halogen-, phosphor-, silicon- and CFC	

subject to alteration

MULTIFIX® 60



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

DII- and DIII-fuse bases E27 and E33 in accordance with DIN 49 524

For D-fuse links 2-63 A in accordance with IEC 60 269-3-1 and VDE 0636 part 301 and 3011, DIN 49 522 and D-adapter screws or D-adapter rings in accordance with DIN 49 523



DII fuse base triple pole, E 27

article-number	type	design	weight kg/piece	package pieces
SAS01918	E27, DII	width 42 mm, without cover, adapter ring system	0.19	10
SAS01441	E27, DII	width 42 mm, without cover, adapter screw system	0.19	10



Covers for DII-fuse base triple pole, E27

article-number	type	design	weight kg/piece	package pieces
SAS01922	single	width 42 mm	0.03	10
SAS01923	double	width 84 mm	0.05	10



DIII-fuse base triple pole, E 33

article-number	type	design	weight kg/piece	package pieces
SAS01919	E33, DIII	width 57 mm, without cover, adapter ring system	0.26	10
SAS01442	E33, DIII	width 57 mm, without cover, adapter screw system	0.26	10



Covers for DIII fuse base, triple pole, E 33

article-number	type	design	weight kg/piece	package pieces
SAS01924	single	width 57 mm	0.04	10
SAS01925	double	width 114 mm	0.06	10

subject to alteration



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

DII- and DIII-fuse bases E27 and E33

Technical data

rated operational voltage U _e	400 V AC, 220 V DC, 500 V AC/DC
track resistance/comparative tracking index	CTI 225
fire resistance	UL 94-V0
temperature resistance	150°C/200°C ¹⁾
glow wire test	960°C
cage clamp steel V2A	1.5–25 mm ² , 3–4 Nm
free of silicon, halogen	

1) main body 150°C

Dimensional drawing

DII- and DIII-fuse bases E27 and E33

M 02007

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MULTIFIX® 60



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Touch protection cover caps, terminal clamp plates

- ◆ Modular technique, individual configurations
- ◆ Range of terminal from 16–185 mm²
- ◆ Can also be used as spare way cover



1.000.768



1.000.769



1.000.770

Touch protection cover caps yellow with warning label

article-number	design	weight kg/piece	package pieces
1.000.768	200 x 54 x 42 mm, for clamps 16–35 mm ²	0.08	2
1.000.769	200 x 108 x 42 mm, for clamps 16–70 mm ²	0.15	2
1.000.770	200 x 108 x 78 mm, for clamps 16–185 mm ²	0.28	2

Touch protection cover caps grey

article-number	design	weight kg/piece	package pieces
1.000.771	200 x 54 x 42 mm, for clamps 16–35 mm ²	0.08	2
1.000.772	200 x 108 x 42 mm, for clamps 16–70 mm ²	0.15	2
1.000.773	200 x 108 x 78 mm, for clamps 16–185 mm ²	0.28	2

Bus bar protection plates

article-number	design	weight kg/piece	package pieces
1.000.774	width 54 mm	0.04	2
1.000.775	width 108 mm	0.10	2



1.000.771



1.000.772



1.000.773



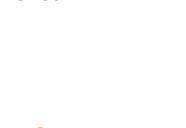
1.000.774



1.000.775



SAS01412



SAS01413

SAS01414

Terminal clamp plates, triple pole, 84 x 59 x 200 mm

article-number	design	weight kg/piece	package pieces
SAS01412	terminal clamp plate complete for bus bar thickness 5 mm, 35–120 mm ²	0.43	1
SAS01414	terminal clamp plate complete for bus bar thickness 10 mm, 35–120 mm ²	0.45	1
SAS01413	cover to clamp plate 5/10 mm	0.13	10

subject to alteration



MULTIFIX® 60

23

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Touch protection cover caps, terminal clamp plates

Technical data

track resistance / comparative tracking index	CTI 600
fire resistance	UL 94-V0
temperature resistance	200°C
glow wire test	960°C
marked for classified recycling	

Dimensional drawing

Touch protection cover caps, terminal clamp plates

M 02008

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MULTIFIX® 60



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Terminal clamps for bus bars



1.000.776



1.000.779



1.001.157

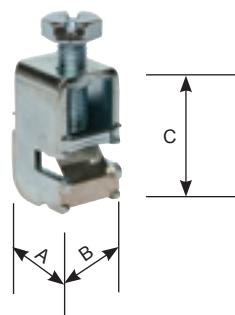
Terminal clamps for bus bars with a thickness of 5 mm

article-number	design				weight kg/piece	package pieces
	bus bar thickness	max. Ø	tightening torque	terminal		
1.000.776	5 mm	7.5 mm	3 Nm	1.5–16 mm ²	0.02	40
1.000.777	5 mm	11 mm	6 Nm	1.5–35 mm ²	0.05	20
1.000.778	5 mm	11 mm	6 Nm	1.5–50 mm ²	0.06	20
1.000.779	5 mm	14 mm	10 Nm	16–70 mm ²	0.07	10
1.000.780	5 mm	17 mm	10 Nm	16–120 mm ²	0.11	10
1.001.157	5 mm	22 mm	10 Nm	16–185 mm ²	0.18	10

Terminal clamps for bus bars with a thickness of 10 mm

article-number	design				weight kg/piece	package pieces
	bus bar thickness	max. Ø	tightening torque	terminal		
1.000.781	10 mm	7.5 mm	3 Nm	1.5–16 mm ²	0.02	40
1.000.782	10 mm	11 mm	6 Nm	1.5–35 mm ²	0.05	20
1.000.783	10 mm	11 mm	6 Nm	1.5–50 mm ²	0.06	20
1.000.784	10 mm	14 mm	10 Nm	16–70 mm ²	0.07	10
1.000.785	10 mm	17 mm	10 Nm	16–120 mm ²	0.11	10
1.001.158	10 mm	22 mm	10 Nm	16–185 mm ²	0.18	10

Dimensional drawing



article number	A	B	C
1.000.776	25.5	11.5	27
1.000.777	26.5	16.0	31.5
1.000.778	26.5	16.0	35.0
1.000.779	28.0	20.5	39.0
1.000.780	29.0	23.5	46.0
1.001.157	29.0	28.5	49.0
1.000.781	25.5	11.5	31.5
1.000.782	28.5	16.0	36.5
1.000.783	26.5	16.0	40.0
1.000.784	28.0	20.5	45.5
1.000.785	29.0	23.2	51.0
1.001.158	29.0	28.5	53.0

subject to alteration



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

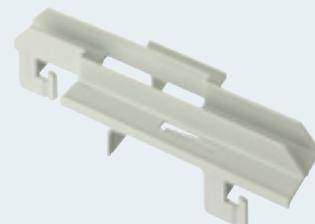
For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Combinations

Terminal clamps – touch protection cover caps – terminal clamp plates

Terminal clamps for bus bar thickness 5 mm article no. / cross-section	Touch protection cover cap article no., appropriate for cross-section			Bus bar protection plate article no., appropriate for cross-section	
1.000.776 / 16 mm ² , 1.000.777 / 35 mm ²	1.000.768	yellow	max. 35 mm ²	1.000.774	max. 35 mm ²
1.000.776 / 16 mm ² , 1.000.777 / 35 mm ²	1.000.771	grey	max. 35 mm ²	1.000.774	max. 35 mm ²
1.000.776 / 16 mm ² , 1.000.777 / 35 mm ² 1.000.778 / 50 mm ² , 1.000.779 / 70 mm ²	1.000.769	yellow	max. 70 mm ²	1.000.775	max. 185 mm ²
1.000.776 / 16 mm ² , 1.000.777 / 35 mm ² 1.000.778 / 50 mm ² , 1.000.779 / 70 mm ²	1.000.772	grey	max. 70 mm ²	1.000.775	max. 185 mm ²
1.000.779 / 70 mm ² , 1.000.780 / 120 mm ² 1.001.157 / 185 mm ²	1.000.770	yellow	max. 185 mm ²	1.000.775	max. 185 mm ²
1.000.779 / 70 mm ² , 1.000.780 / 120 mm ² 1.001.157 / 185 mm ²	1.000.773	grey	max. 185 mm ²	1.000.775	max. 185 mm ²
Terminal clamps for bus bar thickness 10 mm article no. / cross-section	Touch protection cover cap article no., appropriate for cross-section			Bus bar protection plate article no., appropriate for cross-section	
1.000.781 / 16 mm ² , 1.000.782 / 35 mm ²	1.000.768	yellow	max. 35 mm ²	1.000.774	max. 35 mm ²
1.000.781 / 16 mm ² , 1.000.782 / 35 mm ²	1.000.771	grey	max. 35 mm ²	1.000.774	max. 35 mm ²
1.000.781 / 16 mm ² , 1.000.782 / 35 mm ² 1.000.783 / 50 mm ² , 1.000.784 / 70 mm ²	1.000.768	yellow	max. 70 mm ²	1.000.775	max. 185 mm ²
1.000.781 / 16 mm ² , 1.000.782 / 35 mm ² 1.000.783 / 50 mm ² , 1.000.784 / 70 mm ²	1.000.772	grey	max. 70 mm ²	1.000.775	max. 185 mm ²
1.000.784 / 70 mm ² , 1.000.785 / 120 mm ² 1.001.158 / 185 mm ²	1.000.770	yellow	max. 185 mm ²	1.000.775	max. 185 mm ²
1.000.784 / 70 mm ² , 1.000.785 / 120 mm ² 1.001.158 / 185 mm ²	1.000.773	grey	max. 185 mm ²	1.000.775	max. 185 mm ²



MULTIFIX® 60



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Terminal clamp module 630 A, triple pole



1.001.047

illustration with cover



1.001.047

illustration without cover

- ◆ Terminal clamp module for current incoming and outgoing
- ◆ Possibility to connect on to other bus bar systems
- ◆ Cable connection via frame clamp for round and flat terminals
- ◆ For bus bars with a width of 20, 25 and 30 mm and a thickness of 5 and 10 mm

Terminal module 630 A, triple pole

article-number	design	weight kg/piece	package pieces
1.001.047	round terminal 70–300 mm ² round solid	1.43	1
1.001.853	flat terminal 70–300 mm ² round solid	1.50	1

Technical data

clamping range	70–300 mm ² round solid, 11 x 21 x 1 (x2) flat terminal
tightening torque	40 Nm

Dimensional drawing

Terminal clamp module 630 A, triple pole

M 02013

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

We are looking forward to receiving your enquiry

and send the drawing directly per e-mail.

subject to alteration



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Component adapter



- ◆ Modular system concept consisting of standard adapter with width of 45 mm and lateral expansion parts of 9 mm for individual extension in 9 mm steps
- ◆ Adapter terminal cross section 4, 6, 10 and 16 mm²
- ◆ Component adapter with double central terminal (2 x 3 x 4 mm², 2 x 3 x 6 mm²)
- ◆ Universal supporting bars in various widths 45 to 81 mm with clamp and expanding techniques top/bottom or front fixing

Component adapter top terminal

article-number	type	design	weight kg/piece	package pieces
1.001.072	25 A	width 45 mm, terminal 3 x 4 mm ²	0.19	4
1.000.786	35 A	width 45 mm, terminal 3 x 6 mm ²	0.20	4
1.001.073	63 A	width 45 mm, terminal 3 x 10 mm ²	0.23	4
1.000.787	80 A	width 45 mm, terminal 3 x 16 mm ²	0.26	4

Component adapter double central termination

article-number	type	design	weight kg/piece	package pieces
1.001.074	25 A	width 45 mm, double central termination, 2 times 3 x 4 mm ²	0.25	4
1.001.163	35 A	width 45 mm, double central termination, 2 times 3 x 6 mm ²	0.28	4

Component adapter without contacts

article-number	type	design	weight kg/piece	package pieces
1.000.789	35 A	width 45 mm, without contacts, extendable	0.15	4

subject to alteration



60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Component adapter

Accessories for component adapter



**Lateral extension piece for individual expansion of the adapter in 9 mm steps
can be fitted either right or left hand side of adapter**

article-number	design	weight kg/piece	package pieces
1.000.788	width 9 mm	0.04	20



Universal supporting bars for component adapter

article-number	design	weight kg/piece	package pieces
1.000.790	width 45 mm	0.015	20
1.000.791	width 54 mm	0.016	20
1.000.792	width 63 mm	0.017	20
1.000.793	width 72 mm	0.018	20
1.000.794	width 81 mm	0.020	20

- ◆ Universal supporting bars can be fixed on to the adapter with already installed component due to patented clamp and expanding technique
- ◆ Perfect for cabling of two components

subject to alteration



MULTIFIX® 60

29

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60

Component adapter

Technical data

track resistance/comparative tracking index	CTI 600
fire resistance	UL 94-V0
temperature resistance	200°C
glow wire test	960°C
rated operational current U _i	25–80 A
free of halogen, phosphor, silicon and CFC marked for classified recycling	

Dimensional drawing

Component adapter

M 02009

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

We are looking forward to receiving your enquiry
and send the drawing directly per e-mail.

subject to alteration

MULTIFIX® 60



In accordance with IEC/EN 60 947-3 and VDE 0660 part 107
Utilization category to EN 60 947-3: AC 23 B/400 V/63 A

Rated short circuit making capacity with fuse links: 50 kA/400 V/63 A

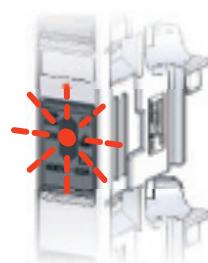
MULTIFIX® 60

For D01-fuse links (with cartridge ring adapter inserts D02 and adapter spring) and
D02-fuse links in accordance with EN 60 269-3, VDE 0636/part 30, DIN 49 522

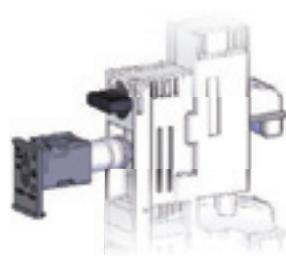
TYTAN® R

**D02-vertical fuse switch disconnector 63 A, triple pole switching,
400 V AC for direct installation on to MULTIFIX® 60, 60 mm bus bar system**

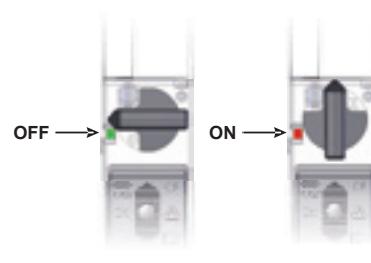
- ◆ For direct installation on to 60 mm bus bar systems
- ◆ Width of switch 27 mm
- ◆ For bus bars, width 12–30 mm, thickness 5–10 mm
- ◆ Ease of installation – snap in mode and automatic interlocking
- ◆ Blinking indicator
- ◆ Plug technique to EN 50110-1 → installation without screw caps
- ◆ Indication of switch contact
- ◆ Padlocking and sealing facility



blinking indicator



plug technique



indication of switch contact



padlocking and sealing

subject to alteration



MULTIFIX® 60

31

In accordance with IEC/EN 60 947-3 and VDE 0660 part 107
Utilization category to EN 60 947-3: AC 23 B/400 V/63 A

Rated short circuit making capacity with fuse links: 50 kA/400 V/63 A

MULTIFIX® 60

TYTAN® R

D02-vertical fuse switch disconnector, triple pole switching

For D01-fuse links (with cartridge ring adapter inserts D02 and adapter spring) and
D02-fuse links in accordance with EN 60 269-3, VDE 0636/part 30, DIN 49 522

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 12–30 mm, thickness 5–10 mm



1.002.602

1.002.603

TYTAN® R	D02	63 A	400 V AC	triple pole switching	
article-number	design			weight kg/piece	package pieces
1.002.602			triple pole switching	0.35	3
1.002.603			triple pole switching with neutral conductor	0.44	3
1.002.604			triple pole switching with auxiliary switch	0.35	3
1.002.605			triple pole switching with neutral conductor with auxiliary switch	0.44	3

Accessory for TYTAN® R



1.002.606

Adapter spring for D01-fuse links

article-number	design	weight kg/piece	package pieces
1.002.606	2 A to 16 A	0.001	12

subject to alteration

MULTIFIX® 60



In accordance with IEC/EN 60 947-3 and VDE 0660 part 107
Utilization category to EN 60 947-3: AC 23 B/400 V/63 A

Rated short circuit making capacity with fuse links: 50 kA/400 V/63 A

MULTIFIX® 60

For D01-fuse links (with cartridge ring adapter inserts D02 and adapter spring) and
D02-fuse links in accordance with EN 60 269-3, VDE 0636/part 30, DIN 49 522

TYTAN® R

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

D02-vertical fuse switch disconnector, triple pole switching

For copper bars, width 12–30 mm, thickness 5–10 mm

Technical data

	TYTAN®	
size	D02	
number of poles/phases	3	
conventional free air thermal current with D0 fuse links I_{th}	63 A	
max. allowed power dissipation of D0-fuse links P_n	5.5 W	
utilization category	rated operational voltage U_e	rated operational current $I_e =$
AC 22 B	400 V	63 A
rated operational voltage U_e		400 V
rated impulse withstand voltage U_{imp}		6 kV
rated frequency		50–60 Hz
degree of protection		IP20
pollution degree		3
rated duty		uninterrupted duty
rated short circuit making capacity with fuse links		50 kA
over voltage category		IV
standard terminal: frame clamp		1.5–35 mm ² Cu
<u>bus bar terminals:</u>		
bus bar system		60 mm
min. bus bar dimensions		12 x 5 mm ²
max. bus bar dimensions		30 x 10 mm ²

subject to alteration



MULTIFIX® 60

33

In accordance with IEC/EN 60 947-3 and VDE 0660 part 107
Utilization category to EN 60 947-3: AC 23 B/400 V/63 A

Rated short circuit making capacity with fuse links: 50 kA/400 V/63 A

MULTIFIX® 60

TYTAN® R

For D01-fuse links (with cartridge ring adapter inserts D02 and adapter spring) and
D02-fuse links in accordance with EN 60 269-3, VDE 0636/part 30, DIN 49 522

D02-vertical fuse switch disconnector, triple pole switching

Dimensional drawing

TYTAN® R D02-vertical fuse switch disconnector

M 02045

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

We are looking forward to receiving your enquiry

and send the drawing directly per e-mail.

subject to alteration



In accordance with IEC/EN 60 947-3 and VDE 0660 part 107
Utilization category to EN 60 947-3: AC 23 B/400 V/63 A

Rated short circuit making capacity with fuse links: 50 kA/400 V/63 A

MULTIFIX® 60

D02-vertical fuse switch disconnector, triple pole switching



1.001.040

For direct installation on to 60 mm bus bar systems

- ◆ For bus bars, width 20–30 mm, thickness 5–10 mm¹⁾
- ◆ Ease of installation by snapping directly on to the bus bar and automatic interlock

D02-vertical fuse switch disconnector size D02 63 A 400 V AC triple pole				
article-number	type	design	weight kg/piece	package pieces
1.001.040	size D02, 63 A	triple pole switching	0.26	1

Dimensional drawing

D02-vertical fuse switch disconnector

M 02006

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

We are looking forward to receiving your enquiry

and send the drawing directly per e-mail.

- 1) Standard design for bus bar with a thickness of 5 mm. For installation of bus bars with thickness 10 mm the appropriate distance pieces have to be broken away. Re-installation on to bus bars with thickness 5 mm by using level adjustment HA 5 art.no.1.001.039 (accessories) – see page 36.

subject to alteration



In accordance with IEC/EN 60 947-3 and VDE 0660 part 107
Utilization category to EN 60 947-3: AC 23 B/400 V/63 A

Rated short circuit making capacity with fuse links: 50 kA/400 V/63 A

MULTIFIX® 60

D02-vertical fuse switch disconnector, triple pole switching

For D01-fuse links (with cartridge ring adapter inserts D02 and adapter spring) and
D02-fuse links in accordance with EN 60 269-3, VDE 0636/part 30, DIN 49 522

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bars, width 20–30 mm, thickness 5–10 mm

Technical data

	D0
size	D02
number of poles/phases	3
conventional free air thermal current with D0 fuse links I_{th}	63 A
max. allowed power dissipation of D0-fuse links P_n	5.5 W
utilization category	AC 23 B
rated operational voltage U_e	400 V
rated insulation voltage U_i	400 V
rated impulse withstand voltage U_{imp}	8 kV
rated frequency	50–60 Hz
degree of protection	IP20
pollution degree	3
rated duty	uninterrupted duty
rated short circuit making capacity with solid links I_{cm}	–
rated short circuit making capacity with fuse links	50 kA
electrical endurance (operating cycles)	300
mechanical endurance (operating cycles)	1700
over voltage category	III
standard terminal: frame clamp	1.5–16 mm ² fine stranded 1.5–25 mm ² Cu round solid, round stranded
<u>bus bar terminals:</u>	
bus bar system	60 mm
min. bus bar dimensions	20 x 5 mm ²
max. bus bar dimensions	30 x 10 mm ²

subject to alteration



In accordance with IEC/EN 60 947-3 and VDE 0660 part 107
Utilization category to EN 60 947-3: AC 23 B/400 V/63 A

MULTIFIX® 60

D02-vertical fuse switch disconnector, switch disconnector, triple pole switching

Rated short circuit making capacity with fuse links: 50 kA/400 V/63 A

For D01-fuse links (with cartridge ring adapter inserts D02 and adapter spring) and
D02-fuse links in accordance with EN 60 269-3, VDE 0636/part 30, DIN 49 522

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1

Accessories for D02-vertical fuse switch disconnector, triple pole switching

For copper bars, width 20–30 mm, thickness 5–10 mm



Level adjustment HA 5 to re-equip switch for installation on to bus bars with 5 mm thickness (after having been installed on to bus bars with a thickness of 10 mm)

article-number	design	weight kg/piece	package pieces
1.001.039	distance piece height 5 mm for installation on to bus bars with a thickness of 5 mm	0.002	100

Distance module for enhanced air circulation for high density installations

article-number	design	weight kg/piece	package pieces
1.001.041	distance module 9 mm	0.018	1
1.001.042	distance module 9 mm with extension	0.026	1

Indicating switch for switch door position (open – closed)

article-number	design	weight kg/piece	package pieces
1.001.043	indicating switch	0.008	100

Dimensional drawing

Distance module for enhanced air circulation for high density installations

M 02012

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

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and send the drawing directly per e-mail.

subject to alteration



In accordance with IEC/EN 60 947-3

MULTIFIX® 60For NH-fuse links size 000 in accordance with
IEC/EN 269-2/section 1, VDE 0636 part 201**MULTIBLOC® 000.RST8****NH-fuse switch disconnector
with reduced width 54 mm**Utilization category to IEC/EN 60 947-3
AC 23 B/400 V/100 A; AC 21 B/690 V/100 A, DC 22 B/440 V/100 A

Rated short circuit making capacity with fuse links size 000: 80 kA/690 V/100 A

NH-fuse switch disconnector triple pole, size 000, 100 A

for direct installation without drilling on to MULTIFIX® 60 mm bus bar system



- ◆ For bus bars with width 12–30 mm and thickness 5–10 mm
- ◆ Width of switch 54 mm
- ◆ Touch protection IP 3x
- ◆ Combined facility for locking switch operating cover and sealing
- ◆ Indicating switch for switch door position – optional
- ◆ Cable termination frame clamp 2,5–50 mm²
- ◆ Cover for cable termination – optional

MULTIBLOC® 000.RST8		size 000	100 A AC	500 V	triple pole
article-number	design			weight kg/piece	package pieces
1.002.571	bottom terminal frame clamp 2.5–50 mm ²			0.60	1
1.002.572	top terminal frame clamp 2.5–50 mm			0.60	1

Accessories for MULTIBLOC® 000.RST8

1.002.643

Indication facilities

article-number	design	weight kg/piece	package pieces
1.002.643	indicating switch for switch door position	0.01	1

**Covers**

article-number	design	weight kg/piece	package pieces
1.002.644	cover for cable termination, 1 set = 2 pieces	0.07	1 set

subject to alteration

MULTIFIX® 60

MULTIFIX® 60

MULTIBLOC® 000.RST8 NH-fuse switch disconnector with reduced width 54 mm

In accordance with IEC/EN 60 947-3

For NH-fuse links size 000 in accordance with
IEC/EN 269-2/section 1, VDE 0636 part 201

Utilization category to IEC/EN 60 947-3
AC 23 B/400 V/100 A; AC 21 B/690 V/100 A, DC 22 B/440 V/100 A

Rated short circuit making capacity with fuse links size 000: 80 kA/690 V/100 A

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1
For copper bars, width 20–30 mm, thickness 5–10 mm

Technical data

			000.RST8 width 54 mm
size			000
number of poles/phases			3
conventional free air thermal current with D0 fuse links I_{th}			100 A
max. allowed power dissipation of D0-fuse links P_n			7.5 W
utilization category	rated operational voltage U_e	rated operational current I_e	
AC 23 B	400 V	$I_e =$	100 A
AC 21 B	690 V	$I_e =$	100 A
DC 22 B ¹⁾	440 V	$I_e =$	100 A
rated operational voltage U_e			690 V
rated insulation voltage U_i			1000 V
rated impulse withstand voltage U_{imp}			6 kV
rated frequency			50–60 Hz
degree of protection			IP3x
pollution degree			3
rated duty			uninterrupted duty
rated short circuit making capacity with fuse links			–
690 V/400 V AC			80 kA
440 V DC			
electrical endurance (operating cycles)			300
mechanical endurance (operating cycles)			2000
over voltage category			III
terminal: frame clamp 4,5 Nm			2.5–25 mm ² round solid, round stranded
<u>bus bar terminals:</u>			
bus bar system			60 mm
min. bus bar dimensions			12 x 5 mm
max. bus bar dimensions			30 x 10 mm

1) all poles in series

subject to alteration



MULTIFIX® 60

39

n accordance with IEC/EN 60 947-3

For NH-fuse links size 000 in accordance with
IEC/EN 269-2/section 1, VDE 0636 part 201

MULTIFIX® 60

MULTIBLOC® 000.RST8

NH-fuse switch disconnector with reduced width 54 mm

Utilization category to IEC/EN 60 947-3
AC 23 B/400 V/100 A; AC 21 B/690 V/100 A, DC 22 B/440 V/100 A

Rated short circuit making capacity with fuse links size 000: 80 kA/690 V/100 A

60 mm bus bar system
in accordance with VDE 0660 part 500 and IEC 60 439-1
For copper bars, width 20–30 mm, thickness 5–10 mm

Dimensional drawing

MULTIBLOC® 000.RST8 NH-fuse switch disconnector

100 A

M 02047

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

We are looking forward to receiving your enquiry
and send the drawing directly per e-mail.

subject to alteration

MULTIFIX® 60



In accordance with IEC/EN 60 947-3

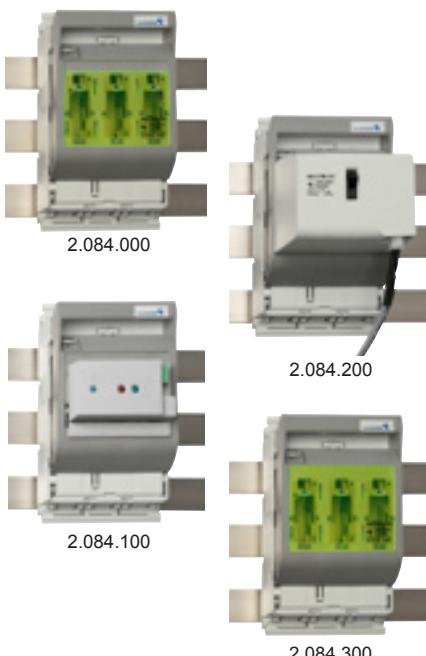
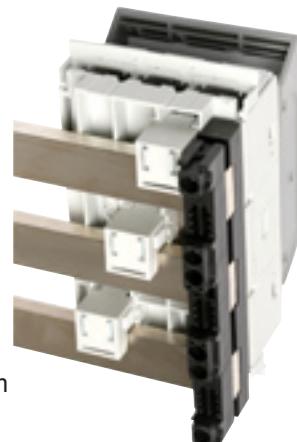
For NH-fuse links in accordance with
IEC/EN 60 269-2-1/section 1, VDE 0636 part 201

MULTIFIX® 60

MULTIBLOC® 00.RST9 NH-fuse switch disconnector triple pole, size 00, 160 A¹⁾

Utilization category to IEC/EN 60 947-3
AC 23B/400 V/160 A; AC 22 B/500 V/160 A
AC 21 B/690 V/125 A; DC 22 B/440 V/160 A
Rated short circuit making capacity with fuse links:
80 kA/400 V/160 A; 80 kA/500 V/160 A; 50 kA/690 V/125 A

- ◆ Design for direct installation on to 60 mm bus bar system – snap on installation without tools
- ◆ Reduction of installation depth (95,5 mm)
- ◆ Touch protection IP 30
- ◆ Installation covering bus bar carrier lateral left or right possible
- ◆ Sealing and padlocking possible
- ◆ Voltage test directly at the contacts possible due to slide able window
- ◆ Varieties of cable termination: screw, clamp strap, clamp Al/Cu, frame clamp
- ◆ Design with electronic fuse monitoring
- ◆ Design with locked window to protect against unauthorized connection
- ◆ Design with motor switch protection for fuse monitoring
- ◆ Universally useable for bus bars with thickness of 5–10 mm and width of 12–30 mm
- ◆ Switch can be adjusted after being snapped on to bus bar



MULTIBLOC® 00.RST9 size 00 160 A, 690 V AC triple pole				
article-number	design		weight kg/piece	package pieces
	terminal	special design		
2.084.000	3 terminal screws M8 3 clamp straps 4–70 mm ²	–	0.88	1
2.084.100	3 terminal screws M8 3 clamp straps 4–70 mm ²	with electronic fuse monitoring installed	1.46	1
2.084.200	3 terminal screws M8 3 clamp straps 4–70 mm ²	with motor switch protection for fuse monitoring installed	0.96	1
2.084.300	3 terminal screws M8 3 clamp straps 4–70 mm ²	with locked window to protect against unauthorized connection	0.88	1

1) For detailed technical information and accessories see product information MULTIBLOC®

subject to alteration



In accordance with IEC/EN 60 947-3

For NH-fuse links in accordance with
IEC/EN 60 269-2-1/section 1, VDE 0636 part 201

MULTIFIX® 60

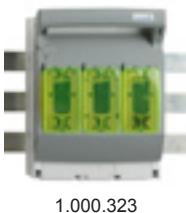
MULTIBLOC® 1.RST8 NH-fuse switch disconnector triple pole, size 1, 250 A¹⁾

Utilization category to IEC/EN 60 947-3:
AC 23 B/400 V/250 A; AC 22 B/500 V/250 A
AC 21 B/690 V/200 A; DC 21 B/440 V/250 A
Rated short circuit making capacity with fuse links:

80 kA/400 V/250 A; 80 kA/500 V/250 A; 50 kA/690 V/200 A

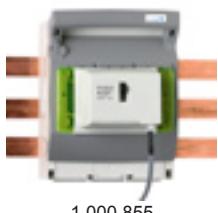
- ◆ For direct installation on to bus bar systems one design for flexible use
- ◆ For 40 and 60 mm bus bar systems
- ◆ Symmetrical switch – suitable for bottom/top cable terminal connections
- ◆ Universally useable for bus bars with widths of 5 mm and 10 mm
- ◆ Switch can still be adjusted after being snapped on to bus bars and fixed after adjustment
- ◆ All adjustments are easy, fast and practical on one switch

MULTIBLOC® 1.RST8, triple pole size 1, 250 A, 690 V AC



1.000.323

MULTIBLOC® 1.RST8 size 1 250 A, 690 V AC		triple pole	
for direct installation on to bus bar systems			
article-number	design	weight kg/piece	package pieces
1.000.323	3 M10 ²⁾ terminal screws	3.12	1
1.001.294	3 clamp straps 70–150 mm ²	3.06	1
1.000.936	6 terminal screws main incomer	4.69	1



1.000.855

MULTIBLOC® 1.RST8 size 1 250 A, 690 V AC		triple pole			
for direct installation on to bus bar systems					
with motor switch protection MZS					
article-number	design	weight kg/piece	package pieces		
1.000.855	MULTIBLOC® 1.RST8 art.no. 1.000.323 with motor switch protection for fuse monitoring installed	3.80	1		

1) For detailed technical information and accessories see product information MULTIBLOC®

2) terminal screws can be used for screw or bolt terminal connection
terminal clamp (accessory) see product information MULTIBLOC®

subject to alteration

MULTIFIX® 60



In accordance with IEC/EN 60 947-3

For NH-fuse links in accordance with
IEC/EN 60 269-2-1/section 1, VDE 0636 part 201

MULTIFIX® 60

MULTIBLOC® 2.RST8 NH-fuse switch disconnector triple pole, size 1, 250 A¹⁾

One design for flexible use

- ◆ For 40 and 60 mm bus bar systems
- ◆ Symmetrical switch – suitable for bottom/top cable terminal connections
- ◆ Universally useable for bus bars with widths of 5 mm and 10 mm
- ◆ Switch can be adjusted after being snapped on to bus bars and fixed after adjustment
- ◆ All adjustments are easy, fast and practical on one switch

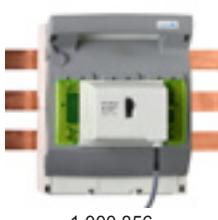
Utilization category to IEC/EN 60 947-3:
AC 23 B/400 V/400 A; AC 22 B/500 V/400 A
AC 21 B/690 V/315 A; DC 21 B/440 V/400 A
Rated short circuit making capacity with fuse links:
80 kA/400 V/400 A; 80 kA/500 V/400 A; 80 kA/690 V/315 A



1.000.704

MULTIBLOC® 2.RST8, triple pole size 1, 250 A, 690 V AC

MULTIBLOC® 1.RST8 size 2 400 A, 690 V AC triple pole for direct installation on to bus bar systems			
article-number	design	weight kg/piece	package pieces
1.000.704	3 M10 ²⁾ terminal screws	4.50	1
1.001.295	3 clamp straps 120–240 mm ²	4.61	1
1.001.028	6 M10 ²⁾ terminal screws main incomer	5.74	1



1.000.856

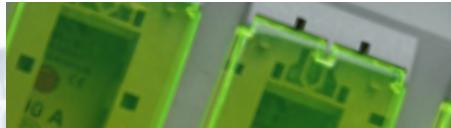
MULTIBLOC® 2.RST8 size 2 400 A, 690 V AC triple pole for direct installation on to bus bar systems with motor switch protection MZS

article-number	design	weight kg/piece	package pieces
1.000.856	MULTIBLOC® 2.RST8 art.no. 1.000.704 with motor switch protection for fuse monitoring installed	5.28	1

1) For detailed technical information and accessories see product information MULTIBLOC®

2) terminal screws can be used for screw or bolt terminal connection
terminal clamp (accessory) see product information MULTIBLOC®

subject to alteration



MULTIFIX® 60

MULTIBLOC® RST8 NH-fuse switch disconnector

Technical data

	00.RST9	1.RST8	2.RST8
size	00	1	2
number of poles/phases	3	3	3
conventional free air thermal current with NH-fuse links I_{th}	160 A	250 A	400 A
max. allowed power dissipation of NH-fuse links P_n	12 W	23 W	34 W
conventional free air thermal current with solid links I_{th}	200 A	400 A	530 A
max. allowed power dissipation of solid links P_n	1.2 W	2.6 W	9 W
utilization category	rated operational voltage U_e	current I_e	
AC 23B	400 V	$I_e =$	160 A
AC 22B	500 V	$I_e =$	160 A
AC 21B	690 V	$I_e =$	125 A
DC 22B	440 V	$I_e =$	160 A
DC 21B	440 V	$I_e =$	—
			250 A
rated operational voltage U_e		690 V	690 V
rated insulation voltage U_i		1000 V	1000 V
rated impulse withstand voltage U_{imp}		8 kV	12 kV
rated frequency		50–60 Hz	50–60 Hz
degree of protection		IP20	IP20
pollution degree		3	3
rated duty		uninterrupted duty	uninterrupted duty
rated short circuit making capacity with solid links I_{cm}		6.2 kAsw	8.2 KAsw
rated short circuit making capacity with fuse links			10.6 kAsw
400 V AC		80 kA; $I_e = 160$ A	80 kA; $I_e = 400$ A
500 V AC		80 kA; $I_e = 160$ A	80 kA; $I_e = 400$ A
690 V AC		50 kA; $I_e = 125$ A	50 kA; $I_e = 315$ A
rated short time withstand current with solid links I_{cw}		4 kA/1 s	8 kA/1 s
power dissipation by I_{th} without NH-fuse links		10 W	24 W
power dissipation by I_{th} without solid links		16 W	1)
<u>cable terminal connection:</u>			
standard terminal		M8	M10
for cable lugs		max. 2 x 70 mm ²	2 x 150 mm ² Cu 2 x 185 mm ² Al
for copper bus bars with max. width		20 mm	18 mm
<u>bus bar terminals:</u>			
bus bar system		60 mm	60 mm
min. bus bar dimensions		12 x 5 mm	12 x 5 mm
max. bus bar dimensions		30 x 10 mm	30 x 10 mm

1) on request

subject to alteration

MULTIFIX® 60

MULTIBLOC
160A 690V~
50-60Hz
M000, P001, S001
EN 60947-4-1

MULTIFIX® 60**MULTIBLOC® RST9 NH-fuse switch disconnector****Dimensional drawing****MULTIBLOC® 00.RST9, triple pole, size 00, 160 A, 690 V AC****M 01170**

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

We are looking forward to receiving your enquiry
and send the drawing directly per e-mail.

subject to alteration



MULTIFIX® 60

45

MULTIFIX® 60

MULTIBLOC® 1.RST8 NH-fuse switch disconnector

Dimensional drawing

MULTIBLOC® 1.RST8, triple pole, size 1, 250 A, 690 V AC

M 01123a

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

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and send the drawing directly per e-mail.

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MULTIFIX® 60

MULTIFIX® 60

MULTIBLOC® 2.RST8 NH-fuse switch disconnector

Dimensional drawing

MULTIBLOC® 2.RST8, triple pole, size 2, 400 A, 690 V AC

M 01132a

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

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and send the drawing directly per e-mail.

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In accordance with IEC/EN 60 947-3

For NH-fuse links in accordance with IEC/EN 60 269-2-1/section 1, VDE 0636/part 201

Utilization category to IEC/EN 60 947-3

AC 23 B/400 V/160 A, AC 22 B/500 V/160 A, AC 21 B/690 V/100 A

Rated short circuit capacity with NH-fuse links:

80 kA/400 V/160 A, 80 kA/500 V/160 A, 50 kA/690 V/100 A

MULTIFIX® 60

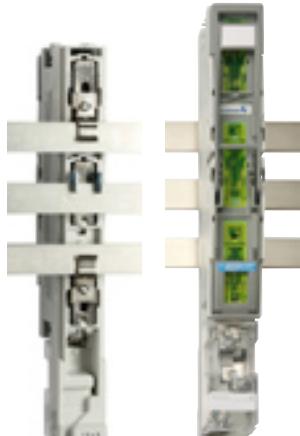
MULTIVERT® 160 A, triple pole switching

NH-vertical fuse switch disconnector, size 00, 160 A, 690 V AC¹⁾

- ◆ Symmetrical switch suitable for bottom/top cable terminal connection
- ◆ For bus bars, width 20–30 mm, thickness 10 mm

MULTIVERT® 160 A/60 mm

- ◆ Installation on to 60 mm bus bar system



1.000.909
rear

1.002.489
front

article-number	size 00 design	60 mm	1 x 3-pole switching
1.000.909	3 M8 screws, cover shroud MZ00KH	1.45	1
1.001.792	3 clamp straps Cu 4–70 mm ² , cover shroud MZ00KH	1.45	1
1.002.489	3 frame clamps, cover shroud MZ00KH	1.30	1

1) For production programme MULTIVERT® 160 A, triple pole and accessories
see our product information MULTIVERT®

subject to alteration



MULTIFIX® 60

MULTIVERT® 160 A NH-vertical fuse switch disconnector

Technical data

			MULTIVERT® 160 A/60 mm
size			00
number of poles/phases			3
conventional free air thermal current with NH-fuse links I_{th}			160 A
max. allowed power dissipation of NH-fuse links P_n			12 W
conventional free air thermal current with solid links I_{th}			250 A
max. allowed power dissipation of solid links P_n			1.2 W
utilization category	rated operational voltage U_e	current $I_e =$	
AC 23B	400 V	$I_e =$	160 A
AC 22B	500 V	$I_e =$	160 A
AC 21B	690 V	$I_e =$	100 A
rated operational voltage U_e			690 V AC
rated insulation voltage U_i			1000 V
rated impulse withstand voltage U_{imp}			8 kV
rated frequency			50–60 Hz
degree of protection			IP30
pollution degree			3
rated duty			uninterrupted duty
rated short circuit making capacity with solid links I_{cm}			4.5 kAsw
rated short circuit making capacity with fuse links			
400 V AC			80 kA
500 V AC			80 kA
690 V AC			50 kA
rated short time withstand current with solid links I_{cw}			4.5 kA/1 s
power dissipation by I_{th} without NH-fuse links			20 W
power dissipation by I_{th} without solid links			49 W
<u>cable terminal connection:</u>			
standard terminal			M8
for cable lugs			70 mm ²
for copper bus bars with max. width			20 mm
<u>bus bar terminals:</u>			
bus bar system			60 mm
min. bus bar dimensions			20 x 10 mm
max. bus bar dimensions			30 x 10 mm

subject to alteration



MULTIFIX® 60

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MULTIFIX® 60

MULTIVERT® 160 A NH-vertical fuse switch disconnector

Dimensional drawing

MULTIVERT® 160 A, triple pole switching, size 00, 160 A, AC 690 V

M01147

dimensional drawing on request:

office@mschneider.eu

drawing no. (M) see top banner right side

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and send the drawing directly per e-mail.

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MULTIFIX® 60



60 mm bus bar system
In accordance with VDE 0660 part 500 and IEC 60 439-1

MULTIFIX® 60

For copper bars width 12–30 mm, thickness 5–10 mm

Plate clamps

For terminal connection of flat or flexible, laminated copper bars



SAS01205



SAS01996

Plate clamps

article-number	design		weight kg/piece	package pieces
	width of bus bar	inner width of clamp		
SAS01205	12 mm	25 mm	0.01	10
SAS01996	20 mm	25 mm	0.19	10
SAS01997	20 mm	30 mm	0.16	10
SAS01586	30 mm	30 mm	0.20	10
SAS01587	30 mm	35 mm	0.21	10
SAS01206	20 mm	40 mm	0.21	

Tin plated copper bus bars

- ◆ Reduction of contact resistance by optimising the electrochemical contact voltage of non iron metal contacts
- ◆ Long term surface protection → optimal contact conditions
- ◆ Suitable for applications in harsh and humid environments
(for example: chemical industry, shipbuilding industry)

Tin plated copper bus bars

article-number	design			weight ⁽¹⁾ kg
	dimensions	rated current	length	
1.000.001	12 x 5 mm	200 A	2.40 m	1.29
1.000.002	15 x 5 mm	250 A	2.40 m	1.65
1.000.003	20 x 5 mm	320 A	2.40 m	2.15
1.000.004	25 x 5 mm	400 A	2.40 m	2.69
1.000.005	30 x 5 mm	450 A	2.40 m	3.23
1.000.006	12 x 10 mm	360 A	2.40 m	2.58
1.000.007	20 x 10 mm	520 A	2.40 m	4.30
1.000.008	30 x 10 mm	630 A	2.40 m	6.48



1.000.001



1.000.008

subject to alteration

60 mm bus bar system

In accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bus bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60**Current carrying capacity of bus bars for installation in switchgear cabinets**

35°C ambient air temperature

65°C bus bar air temperature

In accordance with DIN 43 671 for other temperatures a correction factor has to be taken into consideration (see table 2)

article-number	dimensions	continuous current	nominal current of fuse link ¹⁾
1.000.001	12 x 5 mm	200 A	200 A
1.000.002	15 x 5 mm	250 A	250 A
1.000.003	20 x 5 mm	320 A	315 A
1.000.004	25 x 5 mm	400 A	400 A
1.000.005	30 x 5 mm	450 A	400 A
1.000.006	12 x 10 mm	360 A	315 A
1.000.007	20 x 10 mm	520 A	500 A
1.000.008	30 x 10 mm	630 A	630 A

table 1

In accordance with DIN 43 671 in reference to current carrying capacity, bus bar temperatures above 65 °C are allowed when correctly fitted into switchboard cabinets.

1) For use with fuse links characteristic „gG“ in accordance with EN 60 269

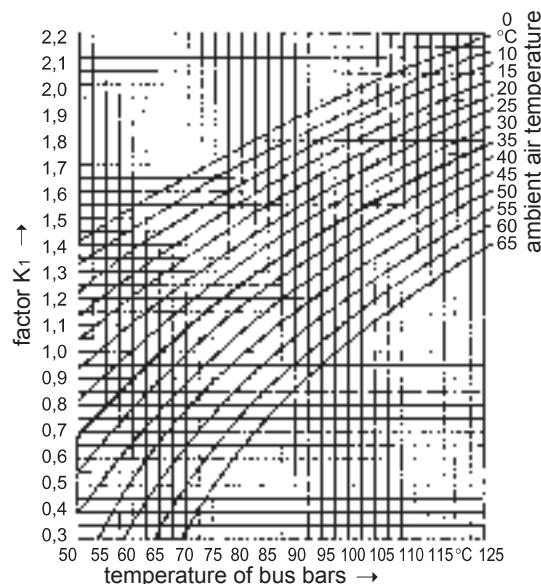
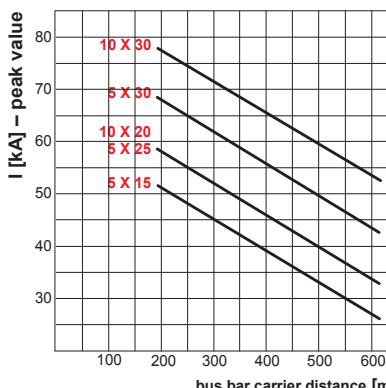


table 2

In order to maintain the continuous current under different ambient air temperature, values at continuous current (table 1) multiply by the correction factor (table 2).

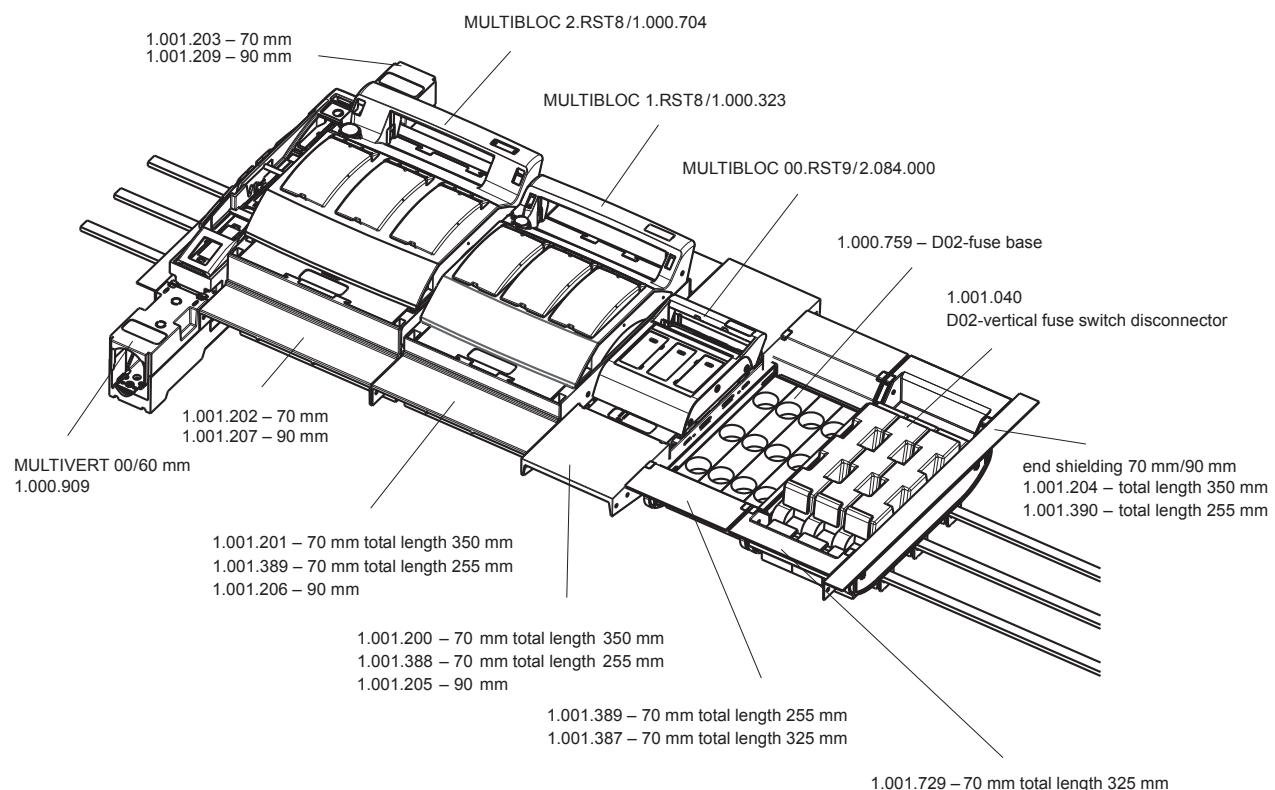
Diagram of short circuit resistance for 60 mm bus bar systems

subject to alteration



MULTIFIX® 60

**Patented cover shielding system
Touch protection for supporting height¹⁾ 70 or 90 mm**



1) supporting height = distance between upper edge of bus bar and supporting edge

subject to alteration



60 mm bus bar system

In accordance with VDE 0660 part 500 and IEC 60 439-1

For copper bus bars, width 12–30 mm, thickness 5–10 mm

MULTIFIX® 60**Patented cover shielding system****Touch protection for supporting height¹⁾ 70 or 90 mm**

- ◆ For complete touch protection of installations on to 60 mm bus bar systems
- ◆ System shielding for installation of D02-fuse systems of uniform profile in height in combination with MULTIVERT® 160 A NH-vertical fuse switch disconnector and MULTIBLOC® 160 A – 400 A NH-fuse switch disconnectors

D02-system cover for MULTIFIX® 60		for supporting height 70 mm	
article-number	design	weight kg/piece	package pieces
1.001.729	cover shield for D02-fuse fuse switch disconnector for total length 325 mm 1 set = 2 lateral shields + 2 cover shields (snap on)	0.16	1 set
1.001.386	cover shield for D02-fuse base for total length 255 mm 1 set = 2 lateral shields + 2 cover shields (snap on)	0.11	1 set
1.001.387	cover shield for D02-fuse base for total length 325 mm 1 set = 2 lateral shields + 2 cover shields (snap on)	0.13	1 set
1.001.204	cover shielding for total length 350 mm	0.08	1 set
1.001.390	cover shielding for total length 255 mm	0.07	1 set

Cover shields for MULTIBLOC® and MULTIVERT®		for supporting height 70 mm	
article-number	design	weight kg/piece	package pieces
1.001.200	cover shield for MULTIBLOC® size 00, for total length 350 mm	0.07	1
1.001.388	cover shield for MULTIBLOC® size 00, for total length 255 mm	0.40	1
1.001.201	cover shield for MULTIBLOC® size 1, for total length 350 mm	0.11	1
1.001.389	cover shield for MULTIBLOC® size 1, for total length 255 mm	0.05	1
1.001.202	cover shield for MULTIBLOC® size 2, for total length 350 mm	0.12	1
1.001.203	cover shield for MULTIVERT® 160 A, for total length 350 mm	0.05	1

Cover shields for MULTIBLOC® and MULTIVERT®		for supporting height 90 mm	
article-number	design	weight kg/piece	package pieces
1.001.205	cover shield for MULTIBLOC® size 00, for total length 350 mm	0.08	1
1.001.206	cover shield for MULTIBLOC® size 1, for total length 350 mm	0.11	1
1.001.207	cover shield for MULTIBLOC® size 2, for total length 350 mm	0.12	1
1.001.208	cover shield for MULTIBLOC® size 3, for total length 350 mm	0.12	1
1.001.209	cover shield for MULTIVERT® 160 A, for total length 350 mm	0.05	1

1) supporting height = distance between upper edge of bus bar and supporting edge

subject to alteration

MULTIFIX® 60



60 mm bus bar system

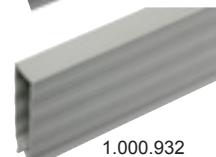
In accordance with VDE 0660 part 500 and IEC 60 439-1

MULTIFIX® 60

For copper bus bars, width 12–30 mm, thickness 5–10 mm

Covering and compartmentalizing material

Touch protection for supporting edge 32 mm



Compartmentalized conductor frame

article-number	design	weight kg/piece	package pieces
1.001.075	compatible to bus bar carrier 1.002.100 for supporting edge 32 mm (distance washer included)	0.06	10

Insulated covers

article-number	design	weight kg/piece	package pieces
SAS0142	insulated cover without slots for supporting edge 32 mm	0.52	5 pieces à 2 lfm
SAS0143	insulated cover with slots for supporting edge 32 mm	0.52	5 pieces à 2 lfm
SAS0145	lateral cover for bus bar carrier attachable to art.no. 1.001.075	0.04	5 pieces à 2 lfm

Cover and accessories

article-number	design	weight kg/piece	package pieces
SAS0148	blanking support system for supporting edge 32 mm	0.05	10
SAS0149	cover for spare area	0.68	10 pieces à 1 lfm

Bus bar covers

article-number	design		weight kg/piece	package pieces
	thickness of bus bar	width of bus bar		
1.000.931	5 mm	12–30 mm	0.09	10 pieces à 1 meter
1.000.932	10 mm	12–30 mm	0.10	10 pieces à 1 meter

subject to alteration

article-number	description		price-group	page
1.000.001	Tin plated copper bars 12 x 5 mm	MULTIFIX® 60, 200 A, 2.40 m	4200	50, 54,
1.000.002	Tin plated copper bars 15 x 5 mm	MULTIFIX® 60, 250 A, 2.40 m	4200	50, 54
1.000.003	Tin plated copper bars 20 x 5 mm	MULTIFIX® 60, 320 A, 2.40 m	4200	50, 54
1.000.004	Tin plated copper bars 25 x 5 mm	MULTIFIX® 60, 400 A, 2.40 m	4200	50, 54
1.000.005	Tin plated copper bars 30 x 5 mm	MULTIFIX® 60, 450 A, 2.40 m	4200	50, 54
1.000.006	Tin plated copper bars 12 x 10 mm	MULTIFIX® 60, 360 A, 2.40 m	4200	50, 54
1.000.007	Tin plated copper bars 20 x 10 mm	MULTIFIX® 60, 520 A, 2.40 m	4200	50, 54
1.000.008	Tin plated copper bars 30 x 10 mm	MULTIFIX® 60, 630 A, 2.40 m	4200	50, 54
1.000.323	MULTIBLOC® 1.RST8 size 1/250 A, 3-pole	M10 terminal screws	1475	41
1.000.704	MULTIBLOC® 2.RST8 size 2/400 A, 3-pole	M10 terminal screws	1475	42
1.000.752	Bus bar carrier, triple pole, 5/10 mm	Internal/external fixing holes (4 h.)	4100	7, 11
1.000.755	Bus bar carrier, double pole	With fixing hole for single installation	4100	11
1.000.757	End cover, triple pole	Touch protection yellow, for 1.000.752	4100	13
1.000.758	D02-fuse base E18, triple pole	Without cover, width 27 mm, fingerproof	4100	18
1.000.759	D02-fuse base E18, triple pole	With cover, width 27 mm, fingerproof	4100	7, 18
1.000.762	Touch protection cover, width 27 mm	For D02-fuse base	4100	18
1.000.763	Touch protection cover, width 36 mm	For D02-fuse base, fingerproof	4100	7
1.000.764	Touch protection cover, width 54 mm	For D02-fuse base, fingerproof	4100	18
1.000.765	Touch protection cover, 2 x 36 mm	For D02-fuse base	4100	18
1.000.767	Touch protection cover, right, width 36 mm	For D02-fuse base	4100	18
1.000.768	Touch protect. cover 200 x 54 x 42 mm yellow	For clamps 16–35 mm ²	4100	22, 25
1.000.769	Touch protect. cover 200 x 108 x 42 mm yellow	For clamps 16–70 mm ²	4100	22, 25
1.000.770	Touch protect. cover 200 x 108 x 78 mm yellow	For clamps 16–120 mm ²	4100	22, 25
1.000.771	Touch protect. cover 200 x 54 x 42 mm grey	For clamps 16–35 mm ²	4100	22, 25
1.000.772	Touch protect. cover 200 x 108 x 42 mm grey	For clamps 16–70 mm ²	4100	22, 25
1.000.773	Touch protect. cover 200 x 108 x 78 mm grey	For clamps 16–120 mm ²	4100	7, 22, 25
1.000.774	Bus bar protection plate, width 54 mm	For touch protection cover	4100	22, 25
1.000.775	Bus bar protection plate, width 108 mm	For touch protection cover	4100	7, 22, 25
1.000.776	Terminal clamp 1.5–16 mm ²	For MULTIFIX® 60, bus bar thickness 5 mm	4100	24, 25
1.000.777	Terminal clamp 1.5–35 mm ²	For MULTIFIX® 60, bus bar thickness 5 mm	4100	24, 25
1.000.778	Terminal clamp 1.5–50 mm ²	For MULTIFIX® 60, bus bar thickness 5 mm	4100	24, 25
1.000.779	Terminal clamp 16–70 mm ²	For MULTIFIX® 60, bus bar thickness 5 mm	4100	24, 25
1.000.780	Terminal clamp 16–120 mm ²	For MULTIFIX® 60, bus bar thickness 5 mm	4100	24, 25
1.000.781	Terminal clamp 1.5–16 mm ²	For MULTIFIX® 60, bus bar thickness 10 mm	4100	24, 25
1.000.782	Terminal clamp 1.5–35 mm ²	For MULTIFIX® 60, bus bar thickness 10 mm	4100	24, 25
1.000.783	Terminal clamp 1.5–50 mm ²	For MULTIFIX® 60, bus bar thickness 10 mm	4100	24, 25
1.000.784	Terminal clamp 16–70 mm ²	For MULTIFIX® 60, bus bar thickness 10 mm	4100	24, 25
1.000.785	Terminal clamp 16–120 mm ²	For MULTIFIX® 60, bus bar thickness 10 mm	4100	24, 25
1.000.786	Bus bar adapter, terminal 3 x 6 mm ²	35 A, width 45 mm	4100	27
1.000.787	Bus bar adapter, terminal 3 x 16 mm ²	80 A, width 45 mm	4100	27
1.000.788	Lateral extension 9 mm	For bus bar adapter	4100	28
1.000.789	Bus bar adapter without contacts	Width 45 mm	4100	27
1.000.790	Universal bus bar carrier, width 45 mm	For bus bar adapter	4100	28
1.000.791	Universal bus bar carrier, width 54 mm	For bus bar adapter	4100	28
1.000.792	Universal bus bar carrier, width 63 mm	For bus bar adapter	4100	28
1.000.793	Universal bus bar carrier, width 72 mm	For bus bar adapter	4100	28

subject to alteration

MULTIFIX® 60 Index of article numbers

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Standard service, mounting and transport conditions

MULTIFIX® 60

Normal conditions to IEC/EN 60 439-1 apply, in addition partly, to valid standards for switchgear.

For applications under differing conditions the producer must be notified.

- a) Ambient air temperature: must not exceed +40° C and its average over a period of 24 hours must not exceed 35°C. The lower limit of ambient air temperature is –5°C. Ambient air temperature is that existing in the vicinity of the equipment if supplied without enclosure. (Please note – a derating factor must be applied to the maximum load current when the ambient air temperature in the vicinity of the switchgear exceeds 25°C. The cross sectional areas of copper bus bars together with all other connected cables or conductors must meet the minimum cross sectional area used in the verification of the temperature rise tests at the rated current measurement of the switchgear. In case of doubt contact m.schneider or follow the specifications of the manufacturer of the installed fuse links).
- b) Altitude: up to 2000 m. For equipment to be used at higher altitudes contact m.schneider prior to use.
- c) Humidity: The relative humidity of the air must not exceed 50% at a maximum temperature of +40°C. Higher relative humidity may be permitted at lower temperatures, e.g. 90% at +20°C. Special measures may be necessary in cases of occasional condensation due to variations in temperature.
- d) Degree of pollution: The switchgear is rated according pollution degree 3 (conductive pollution occurs, or dry or non conductive pollution occurs, which becomes conductive due to condensation). During storage, installation and operation damaging influences by chemical substances must be prevented.
- e) Transport and storage: values according a) and b) are valid with the exception, that for transport and storage, but not service, the ambient air temperatures can be between –25°C to +55°C.
- f) Certification and Test Reports: All equipment and components of the MULTIFIX® 60 system carry the required CE mark so far as applicable and permissible. Therefore the product is in accordance with low voltage guideline 73/23/EWG. The indicated technical data refers to technical standards and requirements valid for the respective device. (For detailed information see our special product information MULTIBLOC® or MULTIVERT®)
- g) Mounting and Service: Equipment has to be mounted and installed according the mounting, installation and service manuals of m.schneider. The recommended installation position of the devices is the vertical position in a horizontal bus bar system. Only by compliance with these instructions is the function mode guaranteed.
- h) Fuse Links: The equipment requires the use of NH-fuse links according to IEC/EN 60 269-2-1/section I (NH-system). D0-fuse links according to IEC/EN 60 269-3-1 (D0-system) or DII-/DIII-fuse links according to IEC/EN 60 269 (D-system) The power dissipation of the fuse links used must not exceed the power acceptance of the equipment.
- i) Routine tests: Before operation, the above mentioned conditions and requirements for routine tests of a switchgear combination to par. 8.1.2. and 8.3 of EN 60 439 are to be considered. For components that can be snapped on to bus bars automatically their exact installation must be ensured.

The companies of the **m.schneider** group have designed, produced and installed electro technical products of high quality since 1926 in Annaberg – Germany, since 1946 in Vienna – Austria and since 1996 in Sezemice – Czech Republic. About 300 employees are active in Austria, Germany, the Czech Republic, Hungary, Poland, China and Nigeria. The companies activities comprise:

- ◆ **Production of fuses and switch gear**
- ◆ **Installation of electrical and digital data networks**
- ◆ **Technical facility management**
- ◆ **Telecommunication services**
- ◆ **Nationally certified cable test department**

m.schneider is a leading international complete supplier in the field of fuse- and bus bar systems. Our product programme comprises MULTIFIX® bus bar systems, the NH-fuse system, D/D0 and cylindrical fuse systems, miniature fuse links and accessories as well as high voltage fuse links.

In the field of NH-(low voltage high rupturing) DIN-fuse material m.schneider is a long term specialist. The product portfolio comprises the complete NH-fuse-system, EUROFUSE® fuse links, horizontal and vertical fuse bases, MULTIBLOC® fuse switch disconnectors and MULTIVERT® vertical fuse switch disconnectors in many varieties as well as a wide range of accessories.

The function of our products is the protection of persons, systems and installations against the impact of overloads and short circuits.

The products meet the highest quality requirements, extending the demands of national and international standards, certified by many company held patents for products and their assembling procedures together with independent test certification such as ÖVE, VDE and CCC. All products are tested in accordance with EN, IEC.

The manufactured products are distributed in more than 50 countries. m.schneider was certified to ISO 9001 in 1993 as 86th Austrian company. The company's products are acclaimed for their reliability and are used at home and abroad by public utilities, panel board builders and the industry.

As a leading supplier m.schneider always offers their customers in addition to regular product training and product presentations the very best services:

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