MULTIBLOC® 000.RST9

Size 000, 125A, 690VAC, Design for bus bar installation, Triple Pole

IEC FUSE SWITCH DISCONNECTORS

NH FUSE SWITCH DISCONNECTOR



The production programme of MULTIBLOC $^{\rm \$}$ 000.RST9 comprises NH fuse switch disconnectors for 125A.

Products are designed in triple pole units for direct installation on to 60mm bus bar systems.

For installation of MULTIBLOC[®] NH fuse switch disconnectors of different sizes in distribution units with central cover, respective covers are used to obtain a uniform profile in height and length.

 $\rm MULTIBLOC^{\ast}$ size 000 are designed for NH fuse-links in accordance with IEC/EN 60269-2, VDE 0636-2.

The system is a modular system, which allows the installation and combination of individual components. MULTIBLOC® offers the user the possibility of fast and easy installation as well as a high degree of security during installation and maintenance.

TECHNICAL DATA OVERVIEW

Voltage AC	690 VAC
Voltage DC	250 VDC
Amper (A)	125 A
Size per Standard	000
SCCR	Ue=AC 500 V; le=125A 80kA Ue=AC 690 V; le= 80A 80kA Ue=DC 250V; le=125A 25kA
Mounting	bus bar installation
Switchability	triple pole switching

FEATURES & BENEFITS

- Touch protection IP 30
- Width of switch 54mm, Installation depth 105 mm
- Cable termination: frame clamp 2,5 - 50mm²
- For 60mm bus bar systems
- Large windows with testing holes
- Padlocking and sealing facility integrated
- Universally useable for bus bars with thickness of 5-10 mm and widths of 12–30 mm
- Indicating switch for switch door position optional
- Safe on load connection/disconnection in accordance with IEC 60947
- Fuse monitoring version available

APPLICATIONS

- House incoming units
- Meter distribution units
- Measuring transformer cabinets
- Transmitting stations for telecommunications

STANDARDS

• IEC/EN 60 947-3 For NH-fuse links size 000 in accordance with IEC/EN 60 269-2, VDE 0636-2

CE

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PRODUCT RANGE

MULTIBLOC® 000.RST9 size 000 125 A, 690VAC bus bar installation, triple pole



Catalog number	ltem number	Poles	Cable termination components	Package	Weight
1.005.065	B1070421	3	3 frame clamps 2,5-50 mm ² top cable terminal	1 piece	0.52 kg
1.005.067	C1070422	3	3 frame clamps 2,5-50 mm ² bottom cable terminal	1 piece	0.52 kg

1.005.065

MULTIBLOC® 000.RST9 size 000 125 A, 690VAC bus bar installation, triple pole, equipped with Fuse Monitoring module

Catalog number	ltem number	Poles	Cable termination components	Package	Weight
1.005.165	G1070426	3	3 frame clamps 2,5-50 mm ² top cable terminal	1 piece	-
1.005.167	H1070427	3	3 frame clamps 2,5-50 mm ² bottom cable terminal	1 piece	-

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2

TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60947

bize 000 Conventional free air thermal current with NH-fuse links Im 125 A As: power dissipation of fuse links Pn 9 W Conventional ree air thermal current with solid links Im 160 A Stated operational voltage Up 690 V Up = AC 400 V; Ib = 100 A AC 23 B Up = AC 400 V; Ib = 105 A AC 22 B Up = AC 500 V; Ib = 125 A AC 22 B Up = AC 500 V; Ib = 125 A AC 22 I B Up = AC 500 V; Ib = 125 A AC 22 I B Up = AC 500 V; Ib = 125 A AC 22 I B Up = AC 500 V; Ib = 125 A AC 22 I B Up = AC 500 V; Ib = 125 A AC 22 I B Up = AC 500 V; Ib = 125 A AC 22 I B Up = DC 250 V; Ib = 125 A DC 22 D Up = DC 250 V; Ib = 125 A DC 22 I B Stated insulation votage Up 1000 V Stated frequency 5060 Hz Degree of protection IP 30 Stated short circuit making capacity with solid links Ibm 5.1 kApeak Stated only Ib = 125 A S0 KA Up = AC 500 V; Ib = 125 A S0 KA Up = AC 500 V; Ib = 126 A S0 KA Up = AC 500 V; Ib = 126 A S0 KA Up = AC 500 V; Ib = 126 A S0 KA Up = AC 500 V; Ib = 126 A S0 KA Up = AC 5		000.RST9 triple pole
conventional free air thermal current with NH-fuse links I_{lm} 125 Å fax. power dissipation of fuse links P_n 9 W conventional free air thermal current with solid links I_m 160 Å tated operational voltage U_a 690 V Up = AC 400 V: $I_a = 102 Å$ AC 23 B $U_a = AC 400 V: I_a = 102 Å$ AC 23 B $U_a = AC 400 V: I_a = 125 Å$ AC 21 B $U_a = AC 600 V: I_a = 125 Å$ AC 21 B $U_a = AC 600 V: I_a = 125 Å$ AC 21 B $U_a = AC 600 V: I_a = 125 Å$ AC 21 B $U_a = DC 250 V: I_a = 125 Å$ (all poles serial) DC 22 B $U_a = DC 250 V: I_a = 126 Å$ (all poles serial) DC 22 B $U_a = DC 250 V: I_a = 126 Å$ (all poles under the serial) DC 21 B tated insulation voltage U, 1000 V tated frequency 50 60 Hz Pegree of protection IP 30 Degree of protection IP 30 Degree of protection 3 tated short-inue withstand current I_{cor} 35 kA/ 1 s tated short-inue withstand current I_{cor} 30 kA tated short-inue withstand current I_{cor} 35 kA/ 1 s tated conditional short-circuit current with fuse	Number of poles/phases	3
fax. power dissipation of fuse links P _n 9 W conventional free air thermal current with solid links I _m 160 A tailed operational voltage U _b 690 V that de operational voltage U _b AC 23 B U _b = AC 400 V; I _b = 100 A AC 23 B U _b = AC 400 V; I _b = 105 A AC 22 B U _b = AC 600 V; I _b = 125 A AC 22 B U _b = AC 600 V; I _b = 125 A AC 21 B U _b = AC 600 V; I _b = 125 A AC 21 B U _b = AC 600 V; I _b = 125 A AC 21 B U _b = AC 600 V; I _b = 125 A AC 21 B U _b = AC 600 V; I _b = 125 A AC 21 B U _b = DC 250 V; I _b = 80 A (L1/L3 serial) DC 21 B tated insulation voltage U MC 21 B U _b = DC 250 V; I _b = 80 A (L1/L3 serial) DC 21 B tated insulation voltage U MC 1100 V tated insulation voltage U S0 60 Hz tated insulation voltage U S0 60 Hz tated frequency S0 60 Hz tated of pollution 3 tated duty uninterrupted du tated short-tine withstand current I _{low} S1 KA/ 1 s tated conditional short-forcuit current with fuse links S0 KA U _b = AC 500 V; I _b = 125 A 80 KA U _b = AC 500 V; I _b = 125 A 80 KA <	Size	000
conventional free air thermal current with solid links I_{th} 160 A tated operational voltage U_{e} 690 V tillization category to IEC/EN 60947-3 AC 23 B U_{e} = AC 400 V; I_{e} = 100 A AC 22 B U_{e} = AC 400 V; I_{e} = 100 A AC 22 B U_{e} = AC 500 V; I_{e} = 125 A AC 21 B U_{e} = AC 500 V; I_{e} = 126 A AC 21 B U_{e} = AC 600 V; I_{e} = 126 A (all poles serial) DC 22 B U_{e} = DC 250 V; I_{e} = 180 A (1.1/L serial) DC 22 B U_{e} DC 250 V; I_{e} = 80 A (1.1/L serial) DC 21 B tated insulation voltage U_{imp} 6 kV tated forquency 6 kV tated function withstand voltage Uque 3 value for could with solid links I_{om} 3 tated diruluion 3 tated duty S.1 kApeak tated out/vincent low 3.5 kA / 1 s tated short-imme withstand current I_{ow} 3.5 kA / 1 s tated conditional short-circuit current with fuse links U_{e} = AC 600 V; I_{e} = 125 A 80 kA U_{e} = AC 600 V; I_{e} = 126 A 20 kA 20 kA U_{e} = AC 600 V; I_{e} = 125 A 20 kA 20 kA	Conventional free air thermal current with NH-fuse links Ith	125 A
Rated operational voltage U_a690 VVIIIIZation category to IEC/EN 60947-3 U_a PAC 400 Y; I_a = 100 A U_a = AC 400 Y; I_a = 125 A AC 22 B 	Max. power dissipation of fuse links Pn	9 W
This set of the set of	Conventional free air thermal current with solid links Ith	160 A
U_g = AC 400 V; l_g = 100 AAC 23 BU_g = AC 400 V; l_g = 125 AAC 22 BU_g = AC 500 V; l_g = 125 AAC 21 BU_g = AC 500 V; l_g = 125 AAC 21 BU_g = AC 500 V; l_g = 125 AAC 21 BU_g = DC 250 V; l_g = 80 A (L1/L3 serial)DC 21 BIded insulation voltage U_I1000 VRated insulation voltage U_I6 kVRated insulation voltage U_I60 NVRated insulation voltage U_I50 60 HzUgeree of protectionIP 30Degree of pollution3Rated down insulation short-circuit current with fuse links lom5.1 kApeakU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAU_g = AC 600 V; l_g = 125 A80 kAPower dissipation by l_m without NH-fuse links (for Top terminal version)10W at 100A logCable terminal connection10W at 100A logStandard cable terminal2.5.50mm²Mus bar thickness (bus bar system = 60 mm)5 10 mmMus bar thickness (bus bar system = 60 mm)5 10 mmMus bar thickness (bus bar system = 60 mm)5 10 mm	Rated operational voltage Ue	690 V
kated insulation voltage Ui 1000 V kated impulse withstand voltage Uimp 6 kV kated impulse withstand voltage Uimp 50 60 Hz begree of protection IP 30 begree of protection 3 kated duty uninterrupted duty kated short-time withstand current Iow 5.1 kApeak kated short-time withstand current Iow 3.5 kA / 1 s kated conditional short-circuit current with fuse links 80 kA Up = AC 500 V; Ib = 125 A 80 kA Up = AC 500 V; Ib = 80 A 80 kA Up = DC 250 V; Ib = 125 A 10W at 100A log cower dissipation by Ith without NH-fuse links (for Top terminal version) 10W at 100A log cable terminal connection frame clamp standard cable terminal g.5-50mm² Bus bar terminal connection 12 30 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm Command 5 10 mm	$\begin{array}{l} U_{e} = AC \; 400 \; V; \; I_{e} = 125 \; A \\ U_{e} = AC \; 500 \; V; \; I_{e} = 100 \; A \\ U_{e} = AC \; 500 \; V; \; I_{e} = 125 \; A \\ U_{e} = AC \; 690 \; V; \; I_{e} = 125 \; A \\ U_{e} = DC \; 250 \; V; \; I_{e} = 125 \; A \end{array}$	AC 22 B AC 22 B AC 21 B AC 21 B AC 21 B DC 22 B
Rated impulse withstand voltage U _{imp} 6 kV Rated frequency 50 60 Hz Degree of protection IP 30 Degree of pollution 3 Rated duty uninterrupted duty Rated duty s.1 kApeak Rated duty 5.1 kApeak Rated duty 3.5 kA / 1 s Rated conditional short-circuit current low 3.5 kA / 1 s Rated conditional short-circuit current with fuse links 80 kA Ue = AC 500 V; Ie = 125 A 80 kA Ue = AC 690 V; Ie = 125 A 80 kA Power dissipation by Ie, without NH-fuse links (for Top terminal version) 10W at 100A loa 16W at 125A loa 16W at 125A loa Cable terminal connection frame clamp Standard cable terminal frame clamp Standard cable terminal 5 10 mm Bus bar terminal connection 5 10 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar thickness (bus bar system = 60 mm) 60 mm	Rated insulation voltage U _i	
Rated frequency 50 60 Hz Degree of protection IP 30 Degree of pollution 3 Rated duty uninterrupted duty Rated short circuit making capacity with solid links I _{cm} 5.1 kApeak Rated short-circuit current lew 5.1 kApeak Rated short-circuit current with fuse links 3.5 kA / 1 s Rated short-circuit current with fuse links 80 kA Ue = AC 500 V; le = 125 A 80 kA Ue = AC 690 V; le = 125 A 80 kA Power dissipation by I _{th} without NH-fuse links (for Top terminal version) 10W at 100A loa Cable terminal connection 16W at 125A loa Bus bar terminal connection 12 30 mm Bus bar terminal connection 5 10 mm Bus bar type 60 mm) Bus bar type 60 mm	5	6 kV
begree of protection IP 30 Degree of pollution 3 Rated duty uninterrupted du Rated short circuit making capacity with solid links l _{cm} 5.1 kApeak Rated short-circuit current l _{cw} 3.5 kA/1 s Rated conditional short-circuit current with fuse links 80 kA Ue = AC 500 V; le = 125 A 80 kA Ue = AC 690 V; le = 125 A 80 kA Ue = DC 250 V; le = 125 A 25 kA Power dissipation by lth without NH-fuse links (for Top terminal version) 10W at 100A loa 16W at 125A loa 26 kA Power dissipation by lth without NH-fuse links (for Top terminal version) 10W at 100A loa Cable terminal connection 10W at 100A loa Standard cable terminal grame clamp 2,5-50mm ² 25 kA Bus bar terminal connection 12 30 mm Bus bar thickness (bus bar system = 60 mm) 12 30 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm		50 60 Hz
Begree of pollution 3 Rated duty uninterrupted du Rated short circuit making capacity with solid links l _{cm} 5.1 kApeak Rated short-time withstand current l _{cw} 3.5 kA / 1 s Rated conditional short-circuit current with fuse links 3.5 kA / 1 s Ue = AC 500 V; le = 125 A 80 kA Ue = AC 690 V; le = 125 A 80 kA Ue = DC 250 V; le = 125 A 25 kA Power dissipation by lth without NH-fuse links (for Top terminal version) 10W at 100A loa 16W at 125A loa 10W at 100A loa 16W at 125A loa 25 kA Power dissipation by lth without NH-fuse links (for Top terminal version) 10W at 100A loa 16W at 125A loa 25 kA Base bar terminal connection 10W at 100A loa Standard cable terminal 2,5-50mm ² Bus bar terminal connection 12 30 mm Bus bar terminal connection 5 10 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm		IP 30
Aated duty uninterrupted duty Rated duty 5.1 kApeak Rated short circuit making capacity with solid links I _{cm} 5.1 kApeak Rated short-time withstand current I _{cw} 3.5 kA / 1 s Rated conditional short-circuit current with fuse links 80 kA Ue = AC 500 V; Ie = 125 A 80 kA Ue = DC 250 V; Ie = 80 A 80 kA Ue = DC 250 V; Ie = 125 A 10W at 100A loa Power dissipation by I _{th} without NH-fuse links (for Top terminal version) 10W at 100A loa Cable terminal connection 16W at 125A loa Bus bar terminal connection 12 30 mm Bus bar terminal connection 5 10 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm	Degree of pollution	3
Aated short-time withstand current l _{cw} 3.5 kA / 1 s Rated conditional short-circuit current with fuse links 80 kA Ue = AC 500 V; le = 125 A 80 kA Ue = AC 690 V; le = 80 A 80 kA Ue = DC 250 V; le = 125 A 25 kA Power dissipation by lth without NH-fuse links (for Top terminal version) 10W at 100A loa 16W at 125A loa 16W at 125A loa Standard cable terminal rame clamp 2,5-50mm ² 2,5-50mm ² Standard cable terminal 12 30 mm Sus bar terminal connection 5 10 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm	Rated duty	uninterrupted duty
Rated conditional short-circuit current with fuse links 80 kA Ue = AC 500 V; le = 125 A 80 kA Ue = DC 250 V; le = 125 A 80 kA Power dissipation by lth without NH-fuse links (for Top terminal version) 10W at 100A loa Cable terminal connection 16W at 125A loa Cable terminal connection frame clamp Standard cable terminal frame clamp Bus bar terminal connection 12 30 mm Bus bar width (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm	Rated short circuit making capacity with solid links Icm	5.1 kApeak
Ue = AC 500 V; Ie = 125 A 80 kA Ue = AC 690 V; Ie = 80 A 25 kA Ue = DC 250 V; Ie = 125 A 10W at 100A loa Power dissipation by Ith without NH-fuse links (for Top terminal version) 10W at 100A loa Cable terminal connection 16W at 125A loa Standard cable terminal frame clamp Standard cable terminal 12 30 mm Bus bar terminal connection 5 10 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm	Rated short-time withstand current I _{cw}	3.5 kA / 1 s
Cable terminal connection frame clamp Standard cable terminal grame clamp Bus bar terminal connection 2,5-50mm² Bus bar width (bus bar system = 60 mm) 12 30 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm	U _e = AC 690 V; I _e = 80 A	80 kA 25 kA 10W at 100A load
Standard cable terminal frame clamp Standard cable terminal connection 2,5-50mm² Bus bar width (bus bar system = 60 mm) 12 30 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm Bus bar system 60 mm	Cable terminal connection	1000 at 125A 10au
Bus bar width (bus bar system = 60 mm) 12 30 mm Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm Bus bar system 60 mm	Standard cable terminal	
Bus bar thickness (bus bar system = 60 mm) 5 10 mm Bus bar system 60 mm	Bus bar terminal connection	
Bus bar system 60 mm	Bus bar width (bus bar system = 60 mm)	
	Bus bar thickness (bus bar system = 60 mm)	5 10 mm
nstallation mode bus bar installati	Bus bar system	60 mm
	Installation mode	bus bar installation

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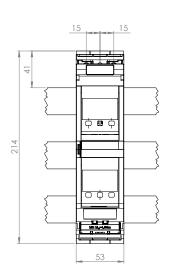
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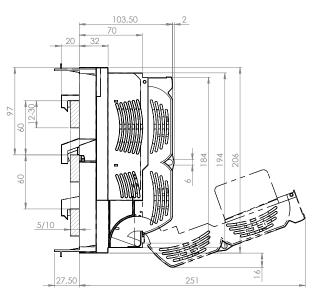


3

DIMENSIONS

MULTIBLOC[®] 000.RST9 size 000 125 A, 690VAC bus bar installation, triple pole (M01203)

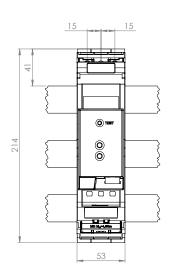


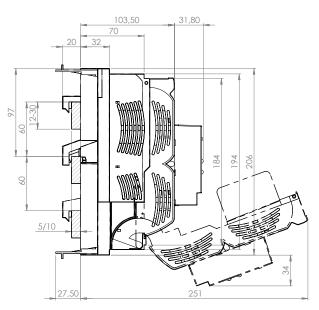


Dimensions in mm

MULTIBLOC® 000.RST9 size 000 125 A,

690VAC bus bar installation, triple pole, equipped with Fuse Monitoring module (M01208)





Dimensions in mm



4

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ACCESSORIES



Indication facilities

Catalog number	Item number	Design	Package	Weight
1.005.080	E1070424	indicator for switch door position micro switch, 1 change-over contact 5 A, 250 V for MULTIBLOC [®] 000.ST9 and 000.RST9	1 piece	10 g

1.005.080

NH Solid links / Measuring links



Catalog number	Item number	Size	Rated current In	Package	Weight
Solid links with live tags					
NH00NEUTRAL	Z218269	000/00	160 A	15	80 g

NHOONEUTRAL

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