

INFORMATION 3 / April 2009



ESÜ Electronic system monitoring for MULTIBLOC® and MULTIVERT®

- ◆ NH-fuse switch disconnecter triple pole, 160 A, 250 A, 400 A, 630 A
 - ◆ NH-vertical fuse switch disconnecter 160 A, 250 A, 400 A, 630 A
 - ◆ 400 V AC, 500 V AC
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- ◆ Device is self energizing in live network conditions
 - ◆ Unit gives indication of operating conditions by LED
 - ◆ Transmission of malfunction message via relay
 - ◆ Test button for simulation of malfunction
 - ◆ Automatic reset after fault repair
 - ◆ Operation independent of direction of current
 - ◆ Application in DC networks possible

ESÜ Electronic fuse monitoring

with LED display and relay for

MULTIBLOC® NH-fuse switch disconnecter triple pole 160 A, 250 A, 400 A, 630 A and

MULTIVERT® NH-vertical fuse switch disconnecter 160 A, 250 A, 400 A, 630 A

- ◆ Combination with specially modified MULTIBLOC® and MULTIVERT® NH-fuse switch disconnectors
- ◆ Application in triple phase power systems 400 V AC and 500 V AC
- ◆ Identification of operation of fuse links - LED display - with switch operating cover in closed position even with disconnected appliances = on-site indication
- ◆ Indication of operation of fuse link - by remote control via integrated relay

◆ Technical data of ESÜ electronic fuse monitoring

rated operational voltage U_e	380 V - 525 V AC > 250 V DC
rated impulse withstand voltage U_{imp}	8 kV
rated insulation voltage U_i	100 V
degree of protection	IP 30

Technical data of relay

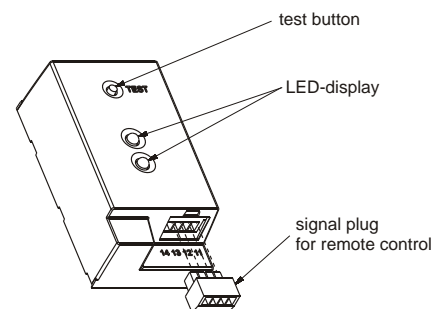
1 "a" contact, 1 "b" contact	potential-free
max. switching voltage	250 V AC / 30 V DC
max. switching current	5 A

LED - display

- device under voltage
fuse links intact,
with live tags
- (blinking) malfunction/operation of at least one fuse link
⇒ indication of remote control

Test operation

- (blinking) if test button is pushed,
indication simulates malfunction



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ESÜ electronic fuse monitoring

MULTIBLOC® NH-fuse switch disconnecter triple pole with ESÜ electronic fuse monitoring



2.030.100

MULTIBLOC® ST9 with ESÜ electronic fuse monitoring		
art. no.	size/A	design
2.030.100	00/ 160	00.ST9 terminal: 6 M8 terminal screws with electronic fuse monitoring installed



2.084.100

MULTIBLOC® RST9 with ESÜ electronic fuse monitoring		
art. no.	size/A	design
2.084.100	00/ 160	00.RST9 terminal: 3 M8 terminal screws, 3 clamp straps Cu 4 - 70 mm ² with electronic fuse monitoring installed



2.002.711

MULTIBLOC® ST8 with ESÜ electronic fuse monitoring		
art. no.	size/A	design
1.002.711	1/ 250	1.ST8 terminal: 6 M10 terminal screws with electronic fuse monitoring installed
1.002.712	2/ 400	2.ST8 terminal: 6 M10 terminal screws with electronic fuse monitoring installed
1.002.713	3/ 630	3.ST8 terminal: 6 M12 terminal screws with electronic fuse monitoring installed



2.003.135

MULTIBLOC® RST8 with ESÜ electronic fuse monitoring		
art. no.	size/A	design
1.003.134	1/ 250	1.RST8 terminal: 3 M10 terminal screws, 3 clamp straps 70 - 150 mm ² with electronic fuse monitoring installed
1.003.135	2/ 400	2.RST8 terminal: 3 M10 terminal screws, 3 clamp straps 120 - 240 mm ² with electronic fuse monitoring installed

ESÜ electronic fuse monitoring

- ◆ On-site LED indication
- ◆ Remote control via relay



ESÜ electronic fuse monitoring

ESÜ electronic fuse monitoring size 00

for modified MULTIVERT® NH-vertical fuse switch disconnectors



1.002.939

ESÜ electronic fuse monitoring for MULTIVERT®

art. no.	size	design
1.002.939	00	electronic fuse monitoring for MULTIVERT 160 A

MULTIVERT® size 00, 160 A

modified for ESÜ with cabling of instrument leads



1.003.140 +
1.002.939

MULTIVERT®	size 00	160 A	60 mm	1 x triple pole switching
art. no.	design			
1.003.140	MULTIVERT® 1.000.909, terminal: M8 screws, with cabling of instrument leads			

MULTIVERT®	size 00	160 A	100 mm	1 x triple pole switching
art. no.	design			
1.000.905	MULTIVERT® 1.000.900, terminal: M8 screws, with cabling of instrument leads			
1.000.906	MULTIVERT® 1.000.901, terminal: clamp straps, with cabling of instrument leads			
1.000.907	MULTIVERT® 1.000.902, terminal: Al/Cu clamps, with cabling of instrument leads			
1.000.908	MULTIVERT® 1.000.903, V-terminal, with cabling of instrument leads			
1.002.437	MULTIVERT® 1.000.904, terminal: frame clamp, with cabling of instrument leads			

MULTIVERT®	size 00	160 A	185 mm	3 x single pole switching
art. no.	design			
M01N0E11G	MULTIVERT® M01N0G, terminal: M8 screws, with cabling of instrument leads			
M01S0E11G	MULTIVERT® M01S0G, terminal: clamp straps, with cabling of instrument leads			
M01A0E11G	MULTIVERT® M01A0G, terminal: Al/Cu clamps, with cabling of instrument leads			
1.000.911	MULTIVERT® 1.000.910, V-terminal, with cabling of instrument leads			

ESÜ electronic fuse monitoring

- ◆ on-site LED indication
- ◆ Remote control via relay

Ordering specifications MULTIVERT® + ESÜ electronic fuse monitoring:

We deliver ESÜ electronic fuse monitoring and MULTIVERT® with modifications separately. Consequently for ordering the complete MULTIVERT® + ESÜ both article numbers are required (ESÜ as well as matching MULTIVERT®) for example: 1.000.905 + 1.002.939.

M01N0E11G +
1.002.939



ESÜ electronic fuse monitoring

ESÜ electronic fuse monitoring size 1, 2, 3

for modified MULTIVERT® NH-vertical fuse switch disconnectors



1.002.940

ESÜ electronic fuse monitoring for MULTIVERT®

art. no.	size	design
1.002.940	1,2,3	electronic fuse monitoring for MULTIVERT 250 A, 400 A, 630 A

MULTIVERT® size 1 250 A, size 2 400 A, size 3 630 A

modified for ESÜ with cabling of instrument leads



1.200.100 +
1.002.939

MULTIVERT®	size 1	250 A	1 x triple pole switching
art. no.	design		
1.150.100	MULTIVERT® 1.150.000, terminal: M10 bolt, with cabling of instrument leads		

MULTIVERT®	size 2	400 A	3 x single pole switching
art. no.	design		
1.200.100	MULTIVERT® 1.200.000, terminal M12 bolt, with cabling of instrument leads		

MULTIVERT®	size 2	400 A	1 x triple pole switching
art. no.	design		
1.250.100	MULTIVERT® 1.200.000, terminal: M12 bolt, with cabling of instrument leads		
1.270.100	MULTIVERT® 1.270.000, V-terminal, with cabling of instrument leads		

MULTIVERT®	size 3	630 A	1 x triple pole switching
art. no.	design		
1.350.100	MULTIVERT® 1.350.000, terminal: M12 bolt, with cabling of instrument leads		

ESÜ electronic fuse monitoring

- ◆ on-site LED indication
- ◆ Remote control via relay

Ordering specifications MULTIVERT® + ESÜ electronic fuse monitoring:

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- ◆ NH-fuse switch disconnector triple pole 160 A, 250 A, 400 A, 630 A
- ◆ NH-vertical fuse switch disconnector 160 A, 250 A, 400 A, 630 A
- ◆ 400 V AC, 500 V AC

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