

NH Fuse System

Product Guide



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NH Fuse System

NH Fuse System

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MULTIBLOC® NH-fuse switch disconnecter

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MULTIVERT® NH-vertical fuse switch disconnecter

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BSL – NH-fuse rail with touch protection

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BSL - NH Fuse rail

BSL – NH-fuse rail with touch protection

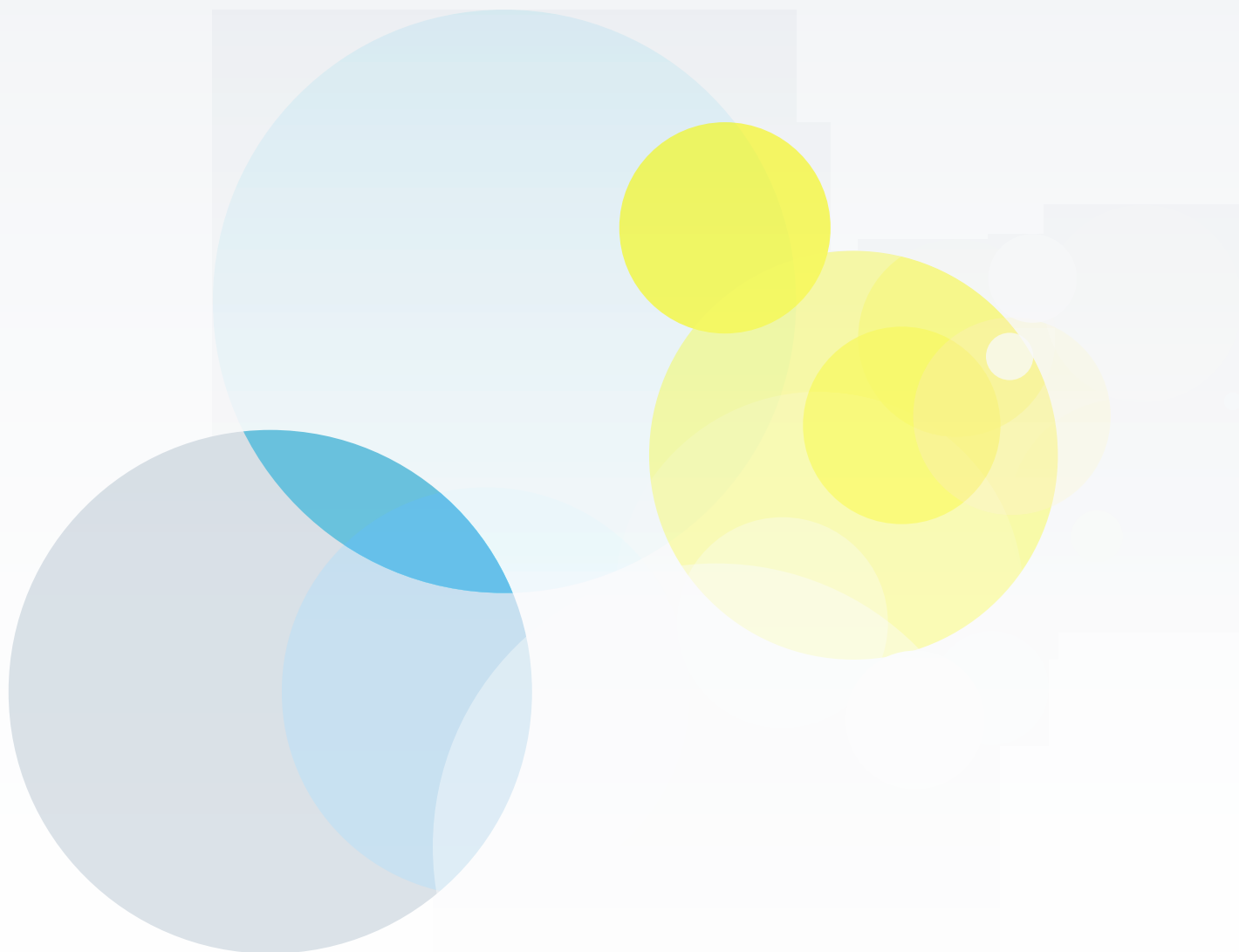
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BSL size 00, 160A 690VAC

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BSL 160A

BSL 160A

NH-fuse rail with touch protection 00, 160A, 690VAC



in accordance with IEC 60 269-1, IEC 60 269-2

for NH-fuse links size 000/00 in accordance with IEC/EN 60 269-2, VDE 0636-2.

- Installation on to 100 and 185mm bus bar system
- Dimensions of bus bars and cable terminal connections are equivalent to those of MULTIVERT®

BSL 160A size 00 for 100mm bus bar system



1.002.440

article number	reference number	cable termination components	design	weight kg ¹	package
1.002.440	R1002286A	3 M8 terminal screws	with cover shroud MZ00KH	0.83	1 piece
1.002.441	R1023423A	3 clamp straps Cu 4-70mm ²	with cover shroud MZ00KH	0.88	1 piece
1.002.442	T1023425A	3 Al/Cu clamps 1,5-70mm ²	with cover shroud MZ00KH	0.84	1 piece
1.002.443	V1023426A	with V-terminal for V-terminal clamps size 00	with cover shroud 1.000.915	0.88	1 piece
1.002.444	W1023427A	3 frame clamps Cu 2,5-70mm ²	with cover shroud MZ00KH	0.82	1 piece

BSL 160A size 00 for 185mm bus bar system



01BSLN100

article number	reference number	cable termination components	design	weight kg ¹	package
01BSLA100	M1023419A	3 Al/Cu clamps 1,5-70mm ²	with cover shroud MZ00KH	2.00	3 pieces
01BSLN100	S1002287A	3 M8 terminal screws	with cover shroud MZ00KH	2.00	1 piece
01BSLS100	P1023421A	3 clamp straps Cu 4-70mm ²	with cover shroud MZ00KH	2.00	2 pieces
1.000.913	Q1023422A	with V-terminal for V-terminal clamps size 00	with cover shroud 1.000.915	2.00	4 pieces

BSL 160A

NH-fuse rail with touch protection 00, 160A, 690VAC

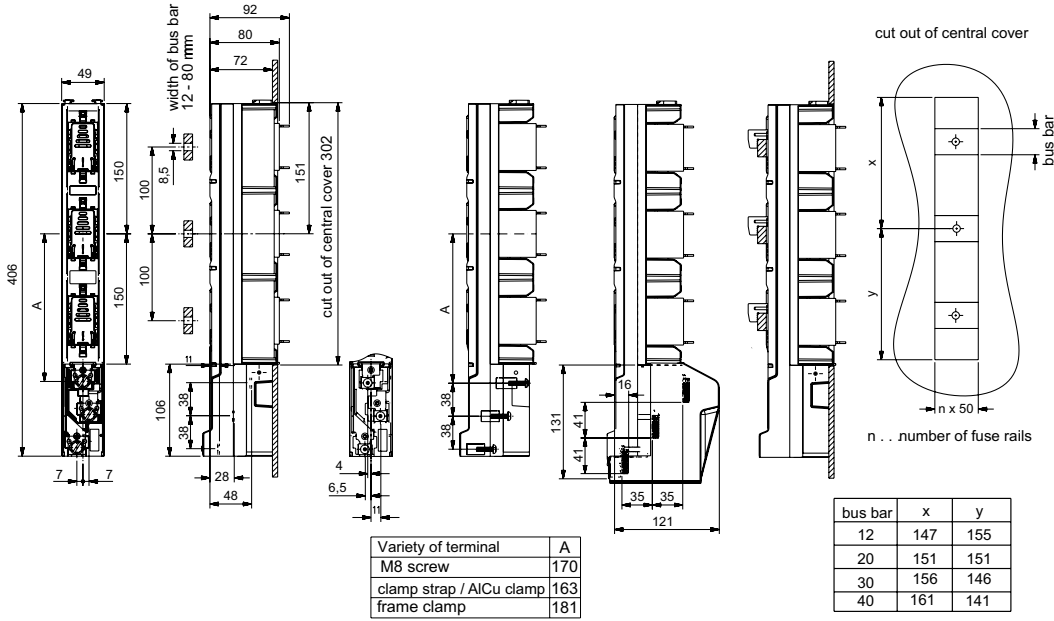
Technical data in accordance with EN / IEC 60269

	BSL 160A 100mm	BSL 160A 185mm
Installation mode	bus bar installation	bus bar installation
Size	00	00
Number of poles/phases	3	3
Conventional free air thermal current with NH-fuse links I_{th}	160A	160A
Max. power dissipation of NH-fuse links P_n	12W	12W
Conventional free air thermal current with solid links I_{th}	200A	200A
Max. power dissipation of solid links P_n	1,2W	1,2W
Rated operational voltage U_o	690V	690V
Rated insulation voltage U_i	1000V	1000V
Rated impulse withstand voltage U_{imp}	9.8kV	9.8kV
Rated frequency	50 ... 60Hz	50 ... 60Hz
Degree of protection	IP20	IP20
Degree of pollution	3	3
Rated duty	uninterrupted duty	uninterrupted duty
Cable terminal connection		
Standard terminal	M8	M8
for cable lugs Cu max.	70mm ²	70mm ²
for cable lugs Al max.	70mm ²	70mm ²
for copper bars with max. dimensions	20x5mm	20x5mm
V-shaped lugs for V-terminal clamps	10 - 95mm ²	10 - 95mm ²
Bus bar terminal connection		
Standard terminal	M8	M8
Hooked clamp for bus bar with thickness	5 ... 10mm	5 ... 10mm
Bus bar system	100mm	185mm

BSL 160A

BSL size 00 160A/100mm bus bar system

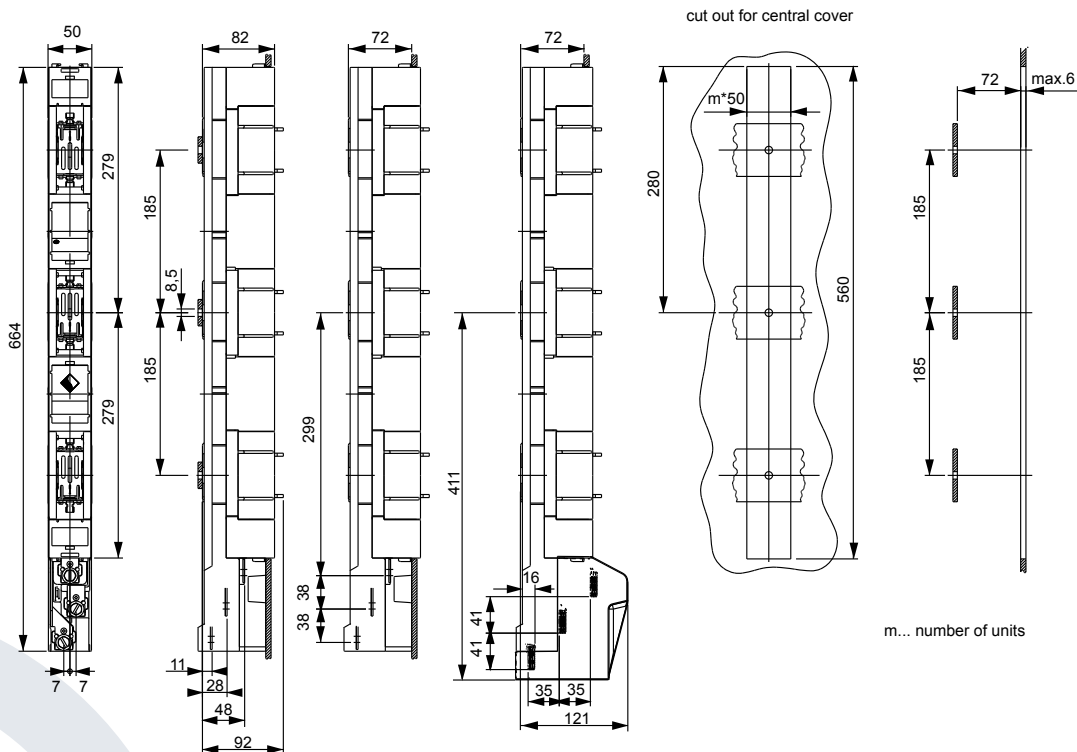
BSL size 00 160A for direct installation on to 100mm bus bar system



Dimensions M01062

BSL size 00 160A/185mm bus bar system

BSL size 00 160A for direct installation on to 185mm bus bar system



Dimensions M01089b

BSL 160A

NH-fuse rail with touch protection 00, 160A, 690VAC

Accessories

Cover/shrouds for cable termination

BSL 160A



MZ00KH MZ00KA 1.000.915 1.000.914

article number	reference number	design	weight kg ¹	package
MZ00KH	F1023298A	cover shroud length 106mm for MULTIVERT®/BSL 160A	0.02	1 piece
MZ00KA	L1023464A	extended cover shroud for cover shroud MZ00KH	0.04	1 piece
1.000.915	H1023300A	Kabelcover shroud for MULTIVERT®/BSL 160A with V-terminal	0.05	1 piece
1.000.914	E1023274A	rear cover for MULTIVERT®/BSL 160A with V-terminal	0.004	1 piece

Varieties of cable termination

BSL 160A

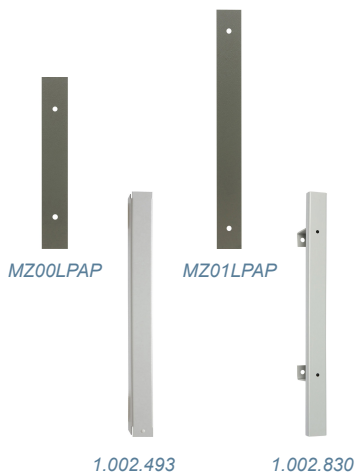


00SZS 00SZESK 00SZA70
1.003.571 00SZVK1 1.000.098

article number	reference number	design	weight kg ¹	package
00SZS	M229298C	M8 terminal screw for switch gear size 00 1 set = 3 pieces	0.03	1 set
00SZESK	E214594C	clamp strap Cu 4-70mm ² for switch gear size 00 1 set = 3 pieces	0.04	1 set
00SZA70	R211523C	Al/Cu clamp 1,5-70mm ² for switch gear size 00 1 set = 3 pieces	0.08	1 set
1.001.857	P1022984C	Al/Cu clamp 1,5-95mm ² round stranded for switch gear size 00 1 set = 3 pieces	0.10	1 set
1.003.433	L1022958A	triple clamp per pole 1.5 up to 16mm ² 1 set = 3 pieces	-	1 piece
00SZVK1	D1023434A	V-terminal clamp size 00, 10-70mm ² round stranded, 10-95mm ² round solid, 35-95mm ² single stranded, 50-95mm ² single solid, M = 12Nm	0.04	1 piece
1.000.098	E1023435A	insulation cap for V-terminal clamp size 00	0.002	1 piece

Covers/spare way covers

BSL 160A



MZ00LPAP MZ01LPAP
1.002.493 1.002.830

article number	reference number	design	application	weight kg ¹	package
MZ00LPAP	B1023409A	spare way cover without level adjustment width 50mm, length 320mm for single adapter MZ00ESA and double adapter MZ00DSA including fixing material	bus bar system 100mm	0.05	1 piece
MZ01LPAP	C1023410A	spare way cover without level adjustment width 50mm, length 500mm including fixing material	bus bar system 185mm	0.06	1 piece
1.002.493	N1002283A	spare way cover width 50mm, length 630mm for covering of open installation spaces in distribution units with central cover	bus bar system 185mm	0.13	1 piece
1.002.830	E1023412A	spare way cover width 50mm, length 630mm with level adjustment 123mm for bus bar installation, set = cover + fixing set (2 distance pieces, 2 screw rivets)	bus bar system 185mm	0.20	1 set

BSL 160A

BSL 160A

NH-fuse rail with touch protection 00, 160A, 690VAC

BSL – NH-fuse rails with touch protection

Accessories

Adapter for installation on to bus bars with screw terminal

BSL 160A



article number	reference number	design	application	weight kg ¹	package
MZ00DSA	C217145A	double adapter 100/185mm with increased touch protection to obtain uniform profile in height for combined installation with MULTIVERT®/BSL 250A, 400A, 630A	MULTIVERT® 160A/100mm 1x3-pole	0.85	1 piece
MZ00ESAECO	D1023296A	Einfachadapter 100/185mm to obtain uniform profile in height for combined installation with MULTIVERT®/BSL 250A, 400A, 630A	MULTIVERT® 160A/100mm 1x3-pole	0.19	1 piece
MZ01DSA	G228764A	double adapter 185/185mm with increased touch protection to obtain uniform profile in height for combined installation with MULTIVERT®/BSL 250A, 400A, 630A	MULTIVERT® 160A/185mm 1x3-pole	0.70	1 piece
MZ01ESA	H228765A	single adapter 185/185mm (for installation of MULTIVERT®/BSL with screws M8) to obtain uniform profile in height for combined installation with MULTIVERT®/BSL 250A, 400A, 630A	MULTIVERT® 160A/185mm 1x3-pole	0.40	1 piece



MZ00BT2

Labelling facilities

BSL 160A

article number	reference number	design	weight kg ¹	package
MZ00BT2	K215611A	label holder size 00	0.01	1 piece



00SZRK3

Installation devices/bus bar installation

BSL 160A

article number	reference number	design	weight kg ¹	package
00SZRK3	K215105C	hooked clamp size 00, M = 5Nm 1 set = 3 pieces	0.10	1 set



1.002.600



MZ00STW

Phase barriers

BSL 160A

article number	reference number	design	application	weight kg ¹	package
1.002.600	W1002290C	lateral phase barrier (snap on) 1 set = 3 pieces	BSL size 00 160 A/100mm	0.01	1 set
MZ00STW	V1002289C	lateral phase barrier (snap on) 1 set = 3 pieces	BSL size 00 160 A/185mm	0.03	1 set

BSL 250A, 400A, 630A

BSL 250A, 400A, 630A

NH-fuse rail with touch protection 1 250A, size 2 400A, size 3 630A, 690VAC



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

- Installation on to 100 and 185mm bus bar system
- Dimensions of bus bars and cable terminal connections are equivalent to those of MULTIVERT®

BSL 250A size 1 for 185mm bus bar system

article number	reference number	cable termination components	weight kg ¹	package
BL1B403K000	X1002291A	3 M12 bolts	3.20	1 piece
BL1E403K000	X1023428A	3 M10 insert nuts	3.10	1 piece
BL1V403K000	Y1023429A	V-terminal 35-240mm ²	3.70	1 piece

BSL 400A size 2 for 185mm bus bar system

article number	reference number	cable termination components	weight kg ¹	package
BL2B403K000	A1002294A	3 M12 bolts	3.80	1 piece
BL2E403K000	Z1023430A	3 M12 insert nuts	3.70	1 piece
BL2V403K000	A1023431A	V-terminal 35-240mm ²	3.70	1 piece

BSL 630A size 3 for 185mm bus bar system

article number	reference number	cable termination components	weight kg ¹	package
BL3B403K000	E1002298A	3 M12 bolts	4.40	1 piece
BL3E403K000	B1023432A	3 M12 insert nuts	4.20	1 piece
BL3V403K000	C1023433A	V-terminal 35-240mm ²	3.70	1 piece



BL2B403K000

BSL 250A, 400A, 630A

BSL 250A, 400A, 630A

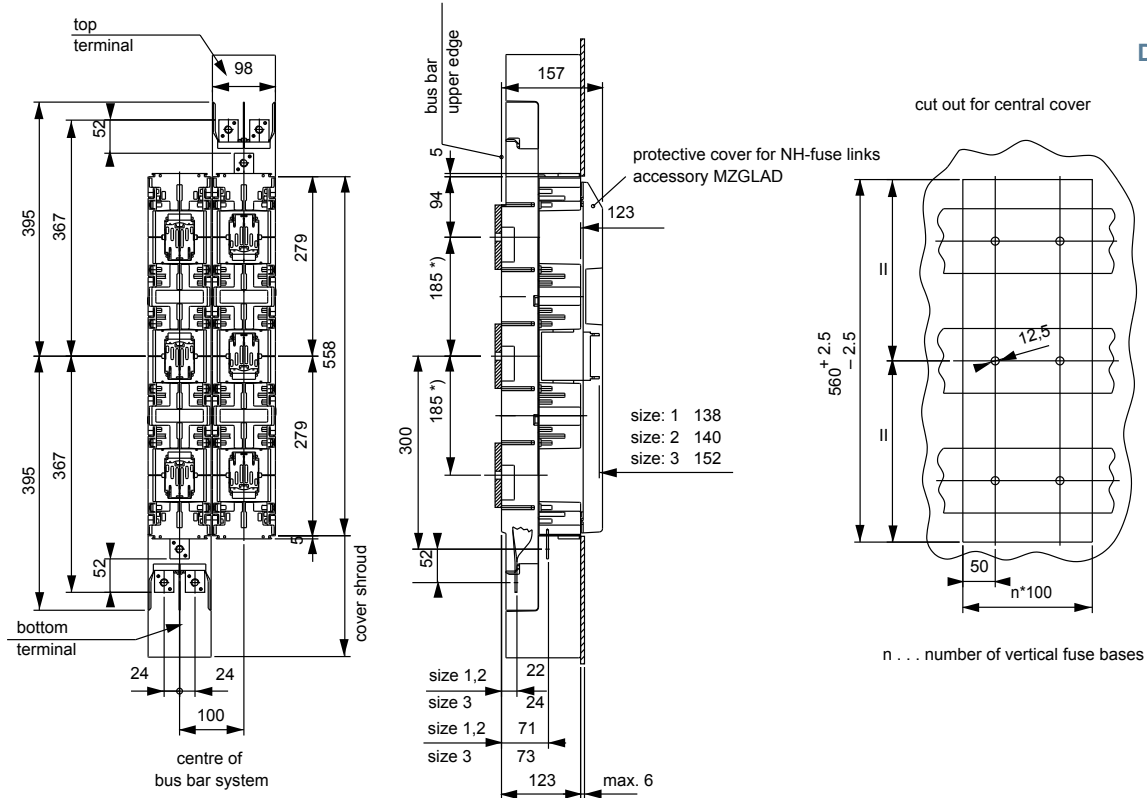
NH-fuse rail with touch protection 1 250A, size 2 400A, size 3 630A 690VAC

Technical data in accordance with EN / IEC 60947

	BSL 250A	BSL 400A	BSL 630A
Installation mode	bus bar installation	bus bar installation	bus bar installation
Size	1	2	3
Number of poles/phases	3	3	3
Conventional free air thermal current with NH-fuse links I_{th}	250A	400A	630A
Max. power dissipation of NH-fuse links P_n	32W	45W	60W
Conventional free air thermal current with solid links I_{th}	400A	630A	800A
Max. power dissipation of solid links P_n	65W	126W	161W
Rated operational voltage U_o	690V	690V	690V
Rated insulation voltage U_i	1000V	1000V	1000V
Rated impulse withstand voltage U_{imp}	9.8kV	9.8kV	9.8kV
Rated frequency	50 ... 60Hz	50 ... 60Hz	50 ... 60Hz
Degree of protection	IP20	IP20	IP20
Degree of pollution	3	3	3
Rated duty	uninterrupted duty	uninterrupted duty	uninterrupted duty
Cable terminal connection			
Standard terminal	M10	M12	M12
for cable lugs Cu max.	300mm ²	300mm ²	300mm ²
for cable lugs Al max.	300mm ²	300mm ²	300mm ²
for copper bars with max. dimensions	40x10mm	40x10mm	40x10mm
Bus bar terminal connection			
Hooked clamp for bus bar with thickness	5 ... 10mm	5 ... 10mm	5 ... 10mm
Bus bar system	185mm	185mm	185mm

BSL-NH-fuse rail with touch protection 250A, 400A, 630A

BSL size 1 250A, size 2 400A, size 3 630A



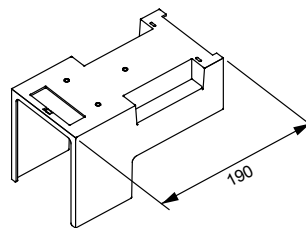
*) special design 178-210 m

BSL – NH-fuse rails with touch protection

Cover shrouds for cable termination for BSL 250A, 400A, 630A

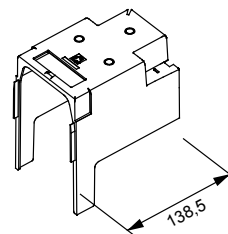
BSL size 1 250A, size 2 400A, size 3 630A

for terminal connections with cable lugs on switch boards with central cover



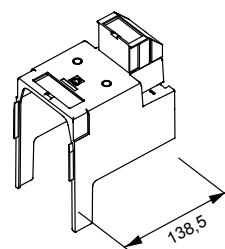
MZKHO

for clamp terminal connections (V-clamps, direct terminal clamps) in feeder pillars



MZKAB

for special "high" clamp terminal connection (double V-clamps, frame clamps) in feeder pillars



MZKAB1

Dimensions M01104a

BSL 250A, 400A, 630A

BSL 250A, 400A, 630A

NH-fuse rail with touch protection 1 250A, size 2 400A, size 3 630A 690VAC

Accessories



MZKAB



MZKHO



MZKAB1

Cover/shrouds for cable termination

BSL 250A, 400A, 630A

article number	reference number	design	application	weight kg ¹	package
MZKAB	J1023301A	cover shroud for clamp terminal connection in feeder pillars length 138,5mm	top terminal	0.19	1 piece
MZKHO	G217655A	cover shroud for cable terminal connections with cable lugs on switchboards with central cover length 190mm	top terminal	0.12	1 piece
MZKAB1	K1023302A	cover shroud for special (high) clamp terminal connection in feeder pillars length 138,5mm	top terminal	0.10	1 piece



1.002.909



1.002.910



1.002.902



1.002.903



22SZVK42



1.000.099



22SZSV1



1.001.667

Varieties of cable termination

BSL 250A, 400A, 630A

article number	reference number	design	weight kg ¹	package
1.002.909	K1024613A	V-terminal clamp size 1,2,3, 95-240mm ² single solid, 70-240mm ² single stranded, 50-185mm ² round stranded, 70-240mm ² round solid, M = 23-27Nm 1 set = 3 pieces	0.24	1 set
1.002.910	L1024614A	V-terminal clamp size 1,2,3, 95-300mm ² single solid, 70-240mm ² single stranded, 50-185mm ² round stranded, 70-240mm ² round solid, M = 23-27Nm 1 set = 3 pieces	0.25	1 set
1.002.902	M1024615C	V-terminal clamp size 1,2,3 95-240mm ² single solid, 70-240mm ² single stranded, 50-185mm ² round stranded, 70-240mm ² round solid, M= 23-27Nm, with V-lug art. no. 22SZSV1 1 set = 3 clamps + 3 lugs	0.42	1 set
1.002.903	N1024616C	V-terminal clamp size 1,2,3 95-300mm ² single solid, 70-240mm ² single stranded, 50-185mm ² round stranded, 70-240mm ² round solid, M = 23-27Nm, with V-shaped lug art. no. 22SZSV1 1 set = 3 clamps + 3 lugs	0.44	1 set
22SZVK42	Q1024618A	V-terminal clamp size 1,2,3 for 2 Leiter 50-240mm ² single solid, 50-185mm ² single stranded, 50-185mm ² round stranded, 70-240mm ² round solid M = 23-27Nm	0.17	1 piece
1.000.099	E1023436A	insulation cap for V-terminal clamp size 1,2,3	0.01	1 piece
22SZSV1	P1024617A	V-shaped terminal lug size 1,2,3; M12, for V-terminal clamp size 1,2,3 for switch gear size 1,2,3 with screw terminal (bolt, insert nut, flat terminal) supplementary for V-terminal with V-clamps	0.20	1 piece
1.001.667	F1023275A	adapter for double terminal L3	0.25	1 piece

BSL 250A, 400A, 630A

BSL 250A, 400A, 630A

NH-fuse rail with touch protection 1 250A, size 2 400A, size 3 630A 690VAC



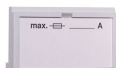
MZ01LPAP MZLPAP 1.002.493



1.002.492 1.002.830 1.002.829



MZBC



MZBT



1.000.192



MZSTW1

Accessories

Covers/spare way covers

BSL 250A, 400A, 630A

article number	reference number	design	application	weight kg ¹	package
MZ01LPAP	C1023410A	spare way cover without level adjustment width 50mm, length 500mm including fixing material	bus bar system 185mm	0.06	1 piece
MZLPAP	D1023411A	spare way cover width 100mm, length 612mm including 2 pieces M12 fixing screws (distance of fixing holes 185mm)	bus bar system 185mm	0.56	1 piece
1.002.493	N1002283A	spare way cover width 50mm, length 630mm for covering of open installation spaces in distribution units with central cover	bus bar system 185mm	0.13	1 piece
1.002.492	M1002282A	spare way cover width 100mm, length 630mm for covering of open installation spaces in distribution units with central cover	bus bar system 185mm	0.20	1 piece
1.002.830	E1023412A	spare way cover width 50mm, length 630mm with level adjustment 123mm for bus bar installation, set = cover + fixing set (2 distance pieces, 2 screw rivets)	bus bar system 185mm	0.20	1 set
1.002.829	F1023413A	spare way cover width 100mm, length 630mm with level adjustment 123mm for bus bar installation set = cover + fixing set (2 distance pieces, 2 screw rivets)	bus bar system 185mm	0.27	1 set

Labelling facilities

BSL 250A, 400A, 630A

article number	reference number	design	weight kg ¹	package
MZBC	J1002302A	labelling clip	0.01	1 piece
MZBT	B222181A	label holder size 1, 2, 3	0.03	1 piece

Installation devices/bus bar installation

BSL 250A, 400A, 630A

article number	reference number	design	weight kg ¹	package
1.000.192	P1002284C	hooked clamp size 1, 2, 3, M = 15–20Nm hexagon socket connection (inbus) for MULTIVERT®/BSL with top or bottom terminal 1 set = 3 pieces	0.46	1 set

Phase barriers

BSL 250A, 400A, 630A

article number	reference number	design	weight kg ¹	package
MZSTW1	H1002301C	lateral phase barrier (snap on) 1 set = 3 pieces	0.04	1 set



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 in safety & reliability
 for electrical power**

A GLOBAL PLAYER

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