

BSL Size 00 160A, 690VAC

FUSE RAILS

IEC NH FUSE RAILS



BSL NH-vertical fuse rails are touch protected IP20. BSL are designed for direct installation on to bus bar systems in triple pole arrangements. BSL size 00, 160A are available in designs for 100 mm and 185 mm bus bar systems.

BSL 160A are designed for NH fuse-links in accordance with IEC/EN 60269-2, VDE 0636-2, size 00: 160A.

The system is a modular system that allows the installation of individual components. BSL offers the user the possibility of fast and easy installation as well as a high degree of protection during installation and maintenance.

TECHNICAL DATA OVERVIEW

Voltage AC	690 VAC
Amper (A)	160 A
Size per Standard	00
Mounting	bus bar system 100 mm and 185 mm
Number of Poles	3

FEATURES & BENEFITS

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

APPLICATIONS

- Feeder pillars
- Cable distribution cabinets
- Low voltage distribution units

STANDARDS

- 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



MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

BSL Size 00 160A, 690VAC

PRODUCT RANGE



1.002.440



1.002.443

BSL 160 A size 00 for 100 mm bus bar system

Catalog number	Item number	Cable termination components	Design	Package	Weight
1.002.440	R1002286	3 M8 terminal screws	with cover shroud MZ00KH	1 piece	0.83 kg
1.002.441	R1023423	3 clamp straps Cu 4-70 mm ²	with cover shroud MZ00KH	1 piece	0.88 kg
1.002.442	T1023425	3 Al/Cu clamps 1,5-70 mm ²	with cover shroud MZ00KH	1 piece	0.84 kg
1.002.443	V1023426	with V-terminal for V-terminal clamps size 00	with cover shroud 1.000.915	1 piece	0.88 kg
1.002.444	W1023427	3 frame clamps Cu 2,5-70 mm ²	with cover shroud MZ00KH	1 piece	0.82 kg

BSL Size 00 160A, 690VAC

PRODUCT RANGE



01BSLA100



01BSLS100

BSL 160 A size 00 for 185 mm bus bar system

Catalog number	Item number	Cable termination components	Design	Package	Weight
01BSLA100	M1023419	3 Al/Cu clamps 1,5-70 mm ²	with cover shroud MZ00KH	3 pieces	2 kg
01BSLN100	S1002287	3 M8 terminal screws	with cover shroud MZ00KH	1 piece	2 kg
01BSLS100	P1023421	3 clamp straps Cu 4-70 mm ²	with cover shroud MZ00KH	2 pieces	2 kg
1.000.913	Q1023422	with V-terminal for V-terminal clamps size 00	with cover shroud 1.000.915	4 pieces	2 kg

BSL Size 00 160A, 690VAC

TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60269

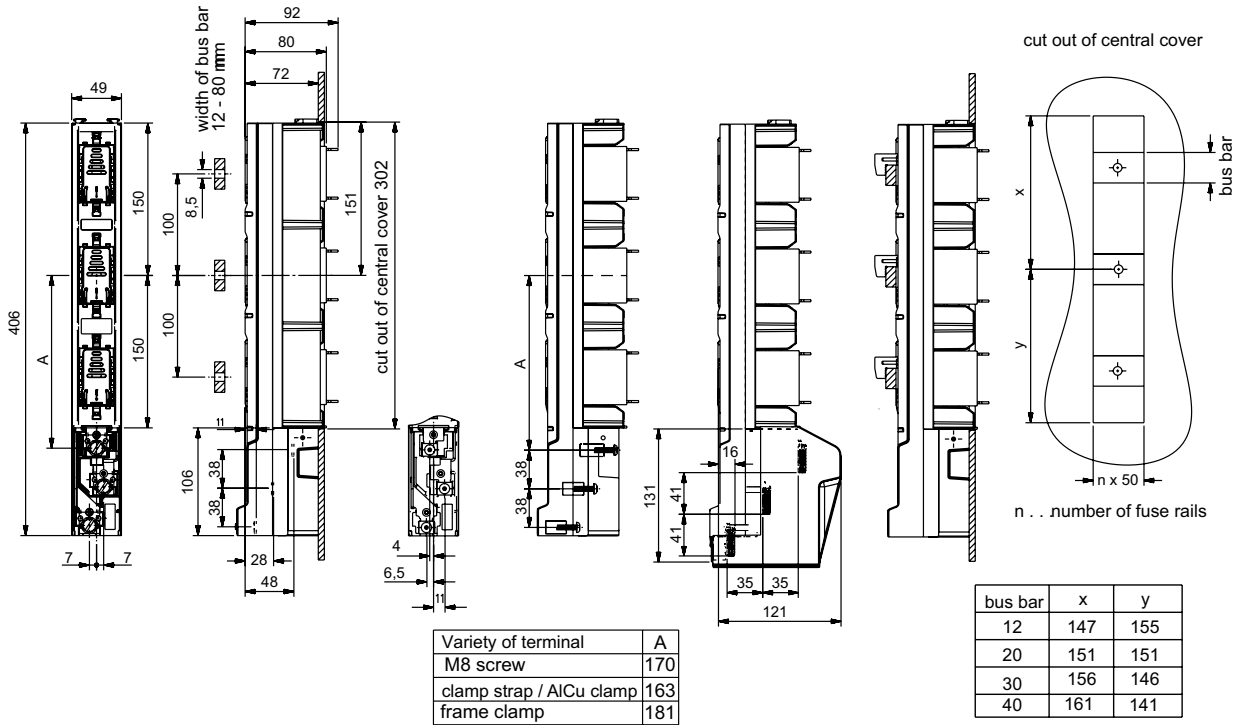
	BSL 160 A 100 mm	BSL 160 A 185 mm
Number of poles/phases	3	3
Conventional free air thermal current with NH-fuse links I_{th}	160 A	160 A
Max. power dissipation of fuse links P_n	12 W	12 W
Conventional free air thermal current with solid links I_{th}	200 A	200 A
Max. power dissipation of solid links P_n	1,2 W	1,2 W
Rated operational voltage U_e	690 V	690 V
Rated insulation voltage U_i	1000 V	1000 V
Rated impulse withstand voltage U_{imp}	9.8 kV	9.8 kV
Rated frequency	50 ... 60 Hz	50 ... 60 Hz
Degree of pollution	3	3
Power dissipation by I_{th} without NH-fuse links	16 W	21 W
Degree of protection	IP 20	IP 20
Installation mode	bus bar installation	bus bar installation
Rated duty	uninterrupted duty	uninterrupted duty
Size	00	00
Cable terminal connection		
Standard cable terminal	M8	M8
for cable lugs Cu max.	70 mm ²	70 mm ²
for cable lugs Al max.	70 mm ²	70 mm ²
for copper bars with max. dimensions	20 x 5 mm	20 x 5 mm
V-shaped lugs for V-terminal clamps	10 - 95 mm ²	10 - 95 mm ²
Bus bar connection		
Bus bar system	100 mm	185 mm
Hooked clamp for bus bar with thickness	5 ... 10 mm	5 ... 10 mm

BSL Size 00 160A, 690VAC

DIMENSIONS

BSL size 00 160A

for direct installation on to 100mm bus bar system (M01062)



Dimensions in mm

cut out of central cover

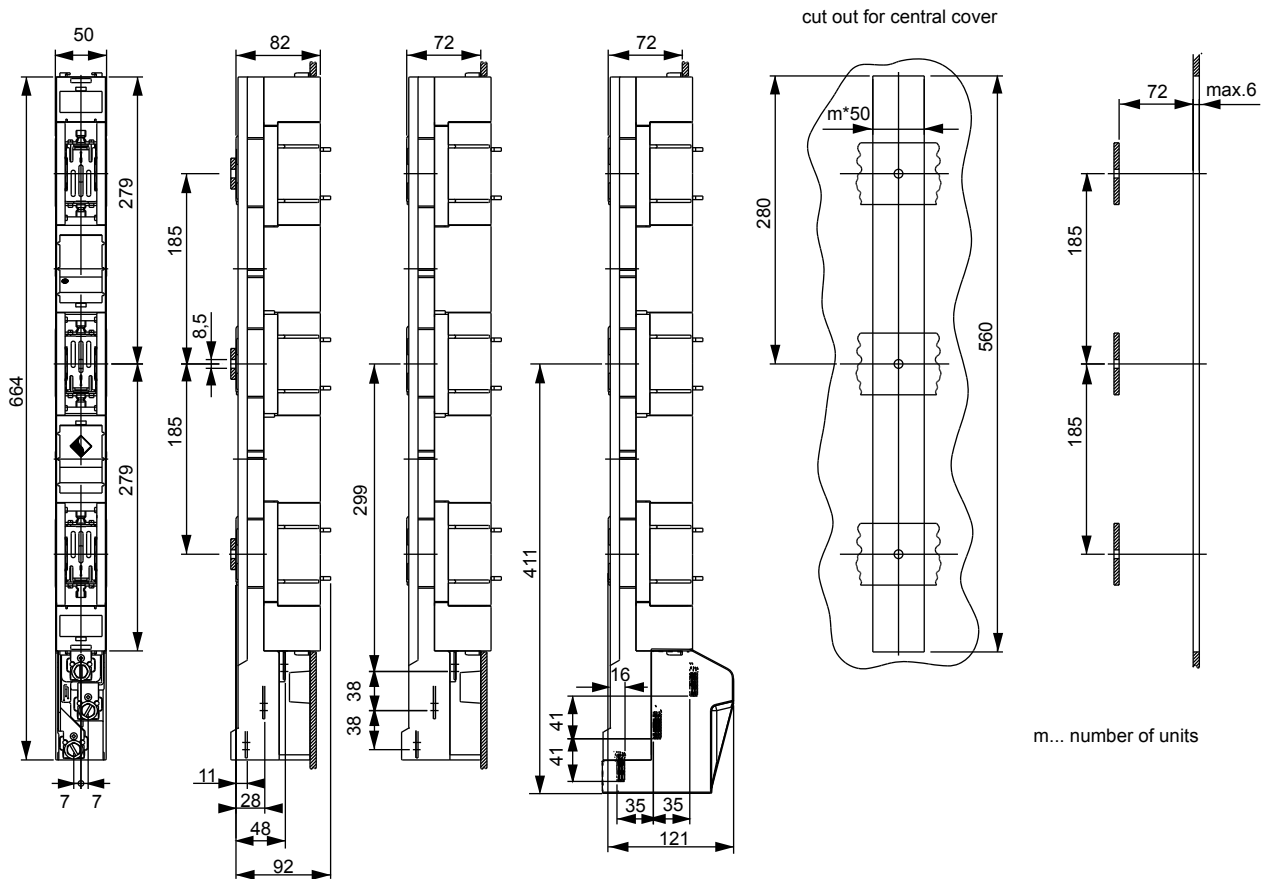
Diagram of the cut out of the central cover showing dimensions x, y, and n x 50. The diagram indicates the bus bar position and the number of fuse rails (n).

bus bar	x	y
12	147	155
20	151	151
30	156	146
40	161	141

BSL Size 00 160A, 690VAC

DIMENSIONS

BSL size 00 160A
for direct installation on to 185mm bus bar system (M01089b)



m... number of units

ACCESSORIES



MZ00KH



MZ00KA



1.000.915

Cover/shrouds for cable termination

Catalog number	Item number	Design	Package	Weight
MZ00KH	F1023298	cover shroud length 106 mm for MULTIVERT®/BSL 160 A	1 piece	20 g
MZ00KA	L1023464	extended cover shroud for cover shroud MZ00KH	1 piece	40 g
1.000.915	H1023300	cover shroud for MULTIVERT®/BSL 160 A with V-terminal	1 piece	50 g

ACCESSORIES



MZ00LPAP



MZ01LPAP



1.002.493



1.002.830



00SZRK3

Covers/spare way covers

Catalog number	Item number	Design	Application	Package	Weight
MZ00LPAP	B1023409	spare way cover without level adjustment width 50 mm, length 320 mm for single adapter MZ00ESA and double adapter MZ00DSA including fixing material	bus bar system 100 mm	1 piece	50 g
MZ01LPAP	C1023410	spare way cover without level adjustment width 50 mm, length 500 mm including fixing material	bus bar system 185 mm	1 piece	60 g
1.002.493	N1002283	spare way cover width 50 mm, length 630 mm for covering of open installation spaces in distribution units with central cover	bus bar system 185 mm	1 piece	0.14 kg
1.002.830	E1023412	spare way cover width 50 mm, length 630 mm with level adjustment 123 mm for bus bar installation, set = cover + fixing set (2 distance pieces, 2 screw rivets)	bus bar system 185 mm	1 set	0.20 kg

Installation devices/bus bar installation

Catalog number	Item number	Design	Package	Weight
00SZRK3	K215105	hooked clamp size 00, M = 5 Nm 1 set = 3 pieces	1 set	0.10 kg

BSL Size 00 160A, 690VAC

ACCESSORIES



MZ00DSA MZ00ESAECO MZ01DSA



MZ01ESA



1.002.684



MZ00BT2

Adapter für installation on to bus bars with screw terminal

Catalog number	Item number	Design	Application	Package	Weight
MZ00DSA	C217145	double adapter 100/185 mm with increased touch protection to obtain uniform profile in height for combined installation with MULTIVERT®/BSL 250 A, 400 A, 630 A	MULTIVERT® 160 A/100 mm 1x3-pole	1 piece	0.71 kg
MZ00ESAECO	D1023296	Einfachadapter 100/185 mm to obtain uniform profile in height for combined installation with MULTIVERT®/BSL 250 A, 400 A, 630 A	MULTIVERT® 160 A/100 mm 1x3-pole	1 piece	0.19 kg
MZ01DSA	G228764	double adapter 185/185 mm with increased touch protection to obtain uniform profile in height for combined installation with MULTIVERT®/BSL 250 A, 400 A, 630 A	MULTIVERT® 160 A/185 mm 1x3-pole	1 piece	0.7 kg
MZ01ESA	H228765	single adapter 185/185 mm (for installation of MULTIVERT®/BSL with screws M8) to obtain uniform profile in height for combined installation with MULTIVERT®/BSL 250 A, 400 A, 630 A	MULTIVERT® 160 A/185 mm 1x3-pole	1 piece	0.39 kg

Covers/protective covers for tags

Catalog number	Item number	Design	Application	Package	Weight
1.002.684	N1023420	protective cover for NH-fuse links (protective cover for tags) 1 set = 3 pieces	BSL size 00 160 A/100 mm	1 set	40 g

Labelling facilities

Catalog number	Item number	Design	Package	Weight
MZ00BT2	K215611	label holder size 00	1 piece	10 g

BSL Size 00 160A, 690VAC

ACCESSORIES



1.002.600



MZ00STW

Phase barriers

Catalog number	Item number	Design	Application	Package	Weight
1.002.600	W1002290	lateral phase barrier (snap on) 1 set = 3 pieces	BSL size 00 160 A/100 mm	1 set	14 g
MZ00STW	V1002289	lateral phase barrier (snap on) 1 set = 3 pieces	BSL size 00 160 A/185 mm	1 set	33 g



00SZS



00SZESK



00SZA70



1.003.571



1.003.433



00SZVK1

Varieties of cable termination

Catalog number	Item number	Design	Package	Weight
00SZS	M229298	M8 terminal screw for switch gear size 00 1 set = 3 pieces	1 set	35 g
00SZESK	E214594	clamp strap Cu 4-70 mm ² for switch gear size 00 1 set = 3 pieces	1 set	35 g
00SZA70	R211523	Al/Cu clamp 1,5-70 mm ² for switch gear size 00 1 set = 3 pieces	1 set	75 g
1.003.571	V1033684	Al/Cu clamp 50-95 mm ² round stranded for switch gear size 00 1 set = 3 pieces	1 set	88 g
1.003.433	L1022958	triple clamp per pole 1.5 up to 16 mm ² 1 set = 3 pieces	1 set	0.14 kg
00SZVK1	D1023434	V-terminal clamp size 00, 10-70 mm ² round stranded, 10-95 mm ² round solid, 35-95 mm ² single stranded, 50-95 mm ² single solid, M = 12 Nm	30	0.4 kg
1.000.098	E1023435	insulation cap for V-terminal clamp size 00	12/120	2 g



1.000.098