

# BSL NH Fuse-Rails

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



# BSL NH Fuse-Rails

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 <sup>2</sup>	with cover shroud MZ00KH	1 piece	0.88 kg
1.002.442	T1023425	3 Al/Cu clamps 1,5-70 mm <sup>2</sup>	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 <sup>2</sup>	with cover shroud MZ00KH	1 piece	0.82 kg

# BSL NH Fuse-Rails

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## 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 <sup>2</sup>	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 <sup>2</sup>	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 NH Fuse-Rails

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## TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60269

	<b>BSL 160 A 100 mm</b>	<b>BSL 160 A 185 mm</b>
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
<b>Cable terminal connection</b>		
Standard cable terminal	M8	M8
for cable lugs Cu max.	70 mm <sup>2</sup>	70 mm <sup>2</sup>
for cable lugs Al max.	70 mm <sup>2</sup>	70 mm <sup>2</sup>
for copper bars with max. dimensions	20 x 5 mm	20 x 5 mm
V-shaped lugs for V-terminal clamps	10 - 95 mm <sup>2</sup>	10 - 95 mm <sup>2</sup>
<b>Bus bar connection</b>		
Bus bar system	100 mm	185 mm
Hooked clamp for bus bar with thickness	5 ... 10 mm	5 ... 10 mm

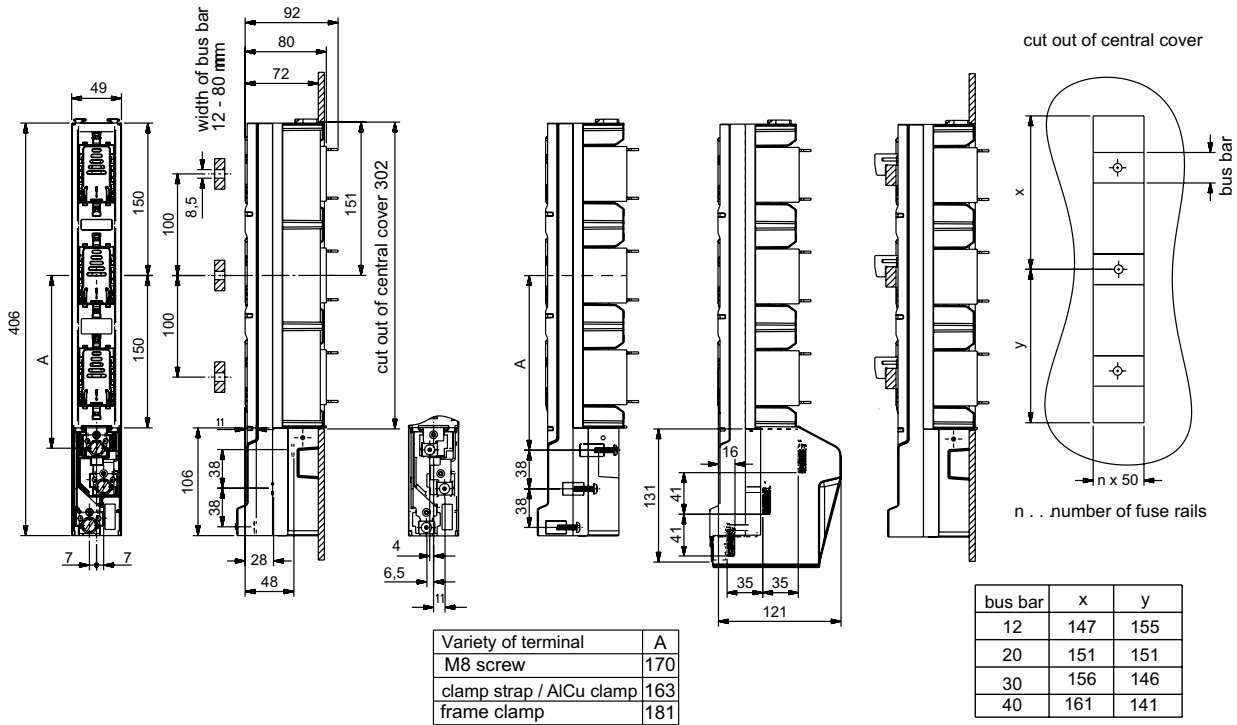
# BSL NH Fuse-Rails

Size 00 160A, 690VAC

## DIMENSIONS

### BSL size 00 160A

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



Dimensions in mm

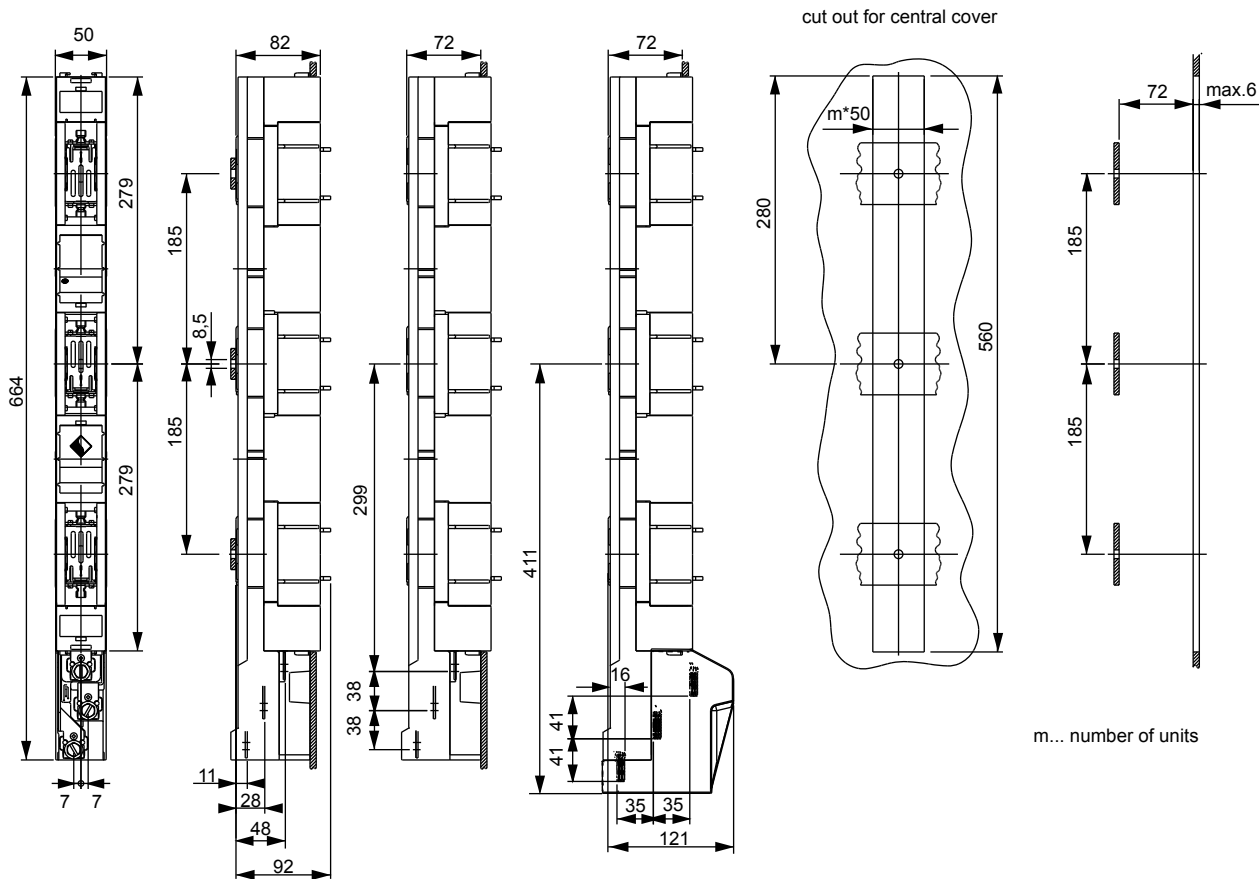
# BSL NH Fuse-Rails

Size 00 160A, 690VAC

## DIMENSIONS

### BSL size 00 160A

for direct installation on to 185mm bus bar system (M01089b)



## ACCESSORIES



MZ00KA



MZ00KH

### Covers/shrouds for cable termination

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

# BSL NH Fuse-Rails

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## ACCESSORIES



1.002.493

1.002.830

MZ00LPAP



MZ01LPAP

### Covers/spare way covers

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



00SZRK3

### 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

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## ACCESSORIES



MZ00DSA MZ01DSA MZ01ESA

### Adapter for installation on to bus bars with screw terminal

Catalog number	Item number	Application	Design	Package	Weight
MZ00DSA	C217145	MULTIVERT® 160 A/100 mm 1x3-pole	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	1 piece	0.71 kg
MZ01DSA	G228764	MULTIVERT® 160 A/185 mm 1x3-pole	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	1 piece	0.7 kg
MZ01ESA	H228765	MULTIVERT® 160 A/185 mm 1x3-pole	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	1 piece	0.39 kg



1.002.684

### Covers/protective covers for tags

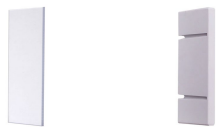
Catalog number	Item number	Application	Design	Package	Weight
1.002.684	N1023420	BSL size 00 160 A/100 mm	protective cover for NH-fuse links (protective cover for tags) 1 set = 3 pieces	1 set	40 g



MZ00BT2

### Labelling facilities

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



1.002.600

MZ00STW

### Phase barriers

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

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## ACCESSORIES



00SZESK



00SZS



00SZVK1



1.000.098



1.003.433

### Varieties of cable termination

Catalog number	Item number	Design	Package	Weight
00SZA70	R211523	Al/Cu clamp 1,5–70 mm <sup>2</sup> for switch gear size 00 1 set = 3 pieces	1 set	75 g
00SZESK	E214594	clamp strap Cu 4–70 mm <sup>2</sup> for switch gear size 00 1 set = 3 pieces	1 set	35 g
00SZS	M229298	M8 terminal screw for switch gear size 00 1 set = 3 pieces	1 set	35 g
00SZVK1	D1023434	V-terminal clamp taille 00, 10–70 mm <sup>2</sup> round stranded, 10–95 mm <sup>2</sup> round solid, 35–95 mm <sup>2</sup> simple stranded, 50–95 mm <sup>2</sup> simple solid, M = 12 Nm	30	40 g
1.000.098	E1023435	insulation cap for V-terminal clamp size 00	12/120	2 g
1.003.433	L1022958	triple clamp per pole 1.5 up to 16 mm <sup>2</sup> 1 set = 3 pieces	1 set	0.14 kg
1.003.571	V1033684	Al/Cu clamp 50–95 mm <sup>2</sup> round stranded for switch gear size 00 1 set = 3 pieces	1 set	88 g