

NH Vertical fuse rails - EBF range



Product description

Eaton's Bussmann® series NH vertical fuse rails are specifically designed to be used with NH fuse links. All energised metal parts are fully protected against accidental contact. They are intended for direct installation on horizontal or vertical busbar systems.

Standard features

- Possible installation of various earthing devices
- Various options for cable terminations
- Wide range of accessories

Catalogue symbol:

- EBF (see table 2 below)

Standard/Approvals:

- IEC 60269-1
- CE

Compatible fuse links:

- NH 400, 500 and 690 V NH gG and aM fuse links

Technical data

- Rated voltage: 690 V a.c.
- Rated current:
 - 160 A size 00
 - 400 A size 2
 - 630 A size 3

Functionality

- Designed for installation onto 185 mm busbar systems, sizes 00,1,2 and 3
- Fuse rail width: size 00 - 50 mm, size 2,3 - 100 mm
- IP20 Touch protection
- EBF 00/100 mm fuse rails are designed for installation onto 100 mm busbar systems. Installation onto 185 mm busbar system is possible by using an adaptor

Operating conditions

- Suitable for installation in environments free of any dust, explosive or aggressive gases.
- Altitude up to 2000 metre above sea level
- Can be used in outdoor environments if they are installed in IP34 cabinets
- Relative air humidity should not be higher than 50% temperature of +40°C
- Ambient temperature from -25°C to +55°C

Features

- Possible installation of various earthing devices
- Various options for cable terminations
- Wide range of accessories
- Touch protection IP20 with fuse shrouds

Packaging

- 1 per carton.

NH Vertical fuse rails - EBF range

Table 1. Technical data

Type		EBF 00 100 mm	EBF 00 185 mm	EBF 2	EBF3
Size		00	00	2	3
Rated thermal current $I_{th} = I_n$	A	160	160	400	630
Voltage U_n	V	690	690	690	690
Rated insulation voltage U_i	V	1000	1000	1000	1000
Rated frequency	Hz	50 - 60	50 - 60	50 - 60	50 - 60
Rated power dissipation	W	12	12	45	60
Rated short-circuit withstand current	kA	100	100	100	100
Mechanical durability	Number of cycles	100	100	100	100
Weight	kg	0.75	2	4.5	5
IP Degree of protection	IP	00	00	20 ¹	20 ¹
Size of fuse links		00	00	2	3

1 With fuse links shrouds

Table 2. Catalogue numbers

Current Size	Busbar (Amps) system	Catalogue Numbers	Cable Terminals	Pack Quantity	Weight	Compatible Fuse Links Size	
Vertical fuse rail for NH Size 00							
00	160	100 mm*	EBF00230S8	Bridge terminals with bridge clamps (S) 4 - 70 mm ² , screw terminals with M8 screws	1	1 kg	00
			EBF00230V1	V-Terminals with V-Clamps 25 - 120 SW		1.1 kg	
		EBF00230V0	V Terminals without V-Clamps	1 kg			
		185mm	EBF00330S8	Bridge terminals with bridge clamps (S) 4 - 70 mm ² , screw terminals with M8 screws	1	2 kg	
			EBF00330V1	V-Terminals with V-Clamps 25 - 120 SW		2.2 kg	
			EBF00330V0	V Terminals without V-Clamps		2 kg	
Vertical fuse rail suitable for NH Size 1 and size 2 fuses							
2	400	185 mm	EBF2330V1	V-Terminals with V-Clamps (35 - 240 mm ²)	1	3.2 kg	1 and 2
			EBF2330M1	Screw terminals with pressed nuts M10 (M10 Screw)		3.1 kg	
			EBF2330M2	Screw terminals with pressed nuts M12 (M12 Screw)		3.1 kg	
			EBF2330W1	2V-Terminals with double V-Clamps (2 x 50 - 240 mm ²)		3.8 kg	
Vertical fuse rail suitable for NH Size 3 fuses							
3	630	185 mm	EBF3330V1	V-Terminals with V-Clamps (70 - 300 SW)	1	4 kg	3
			EBF3330M1	Screw terminals with pressed nuts M12 (M12 Screw)		3.1 kg	
			EBF3330W1	2V-Terminals with double V-Clamps (2 x 50 - 240 mm ²)		4.8 kg	

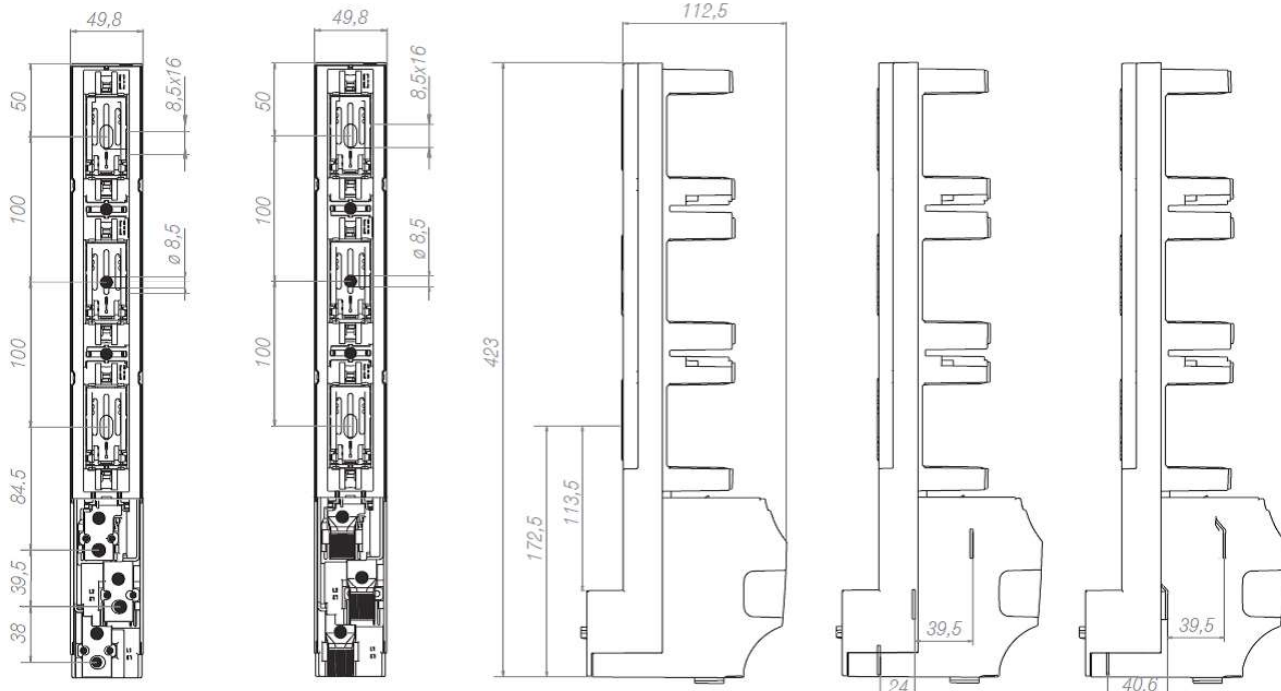
Technical Data 10240

Effective April 2023

NH Vertical fuse rails - EBF range

Dimensions (mm)

EBF 00 100 mm busbar system



M8 Screws

V-Terminals

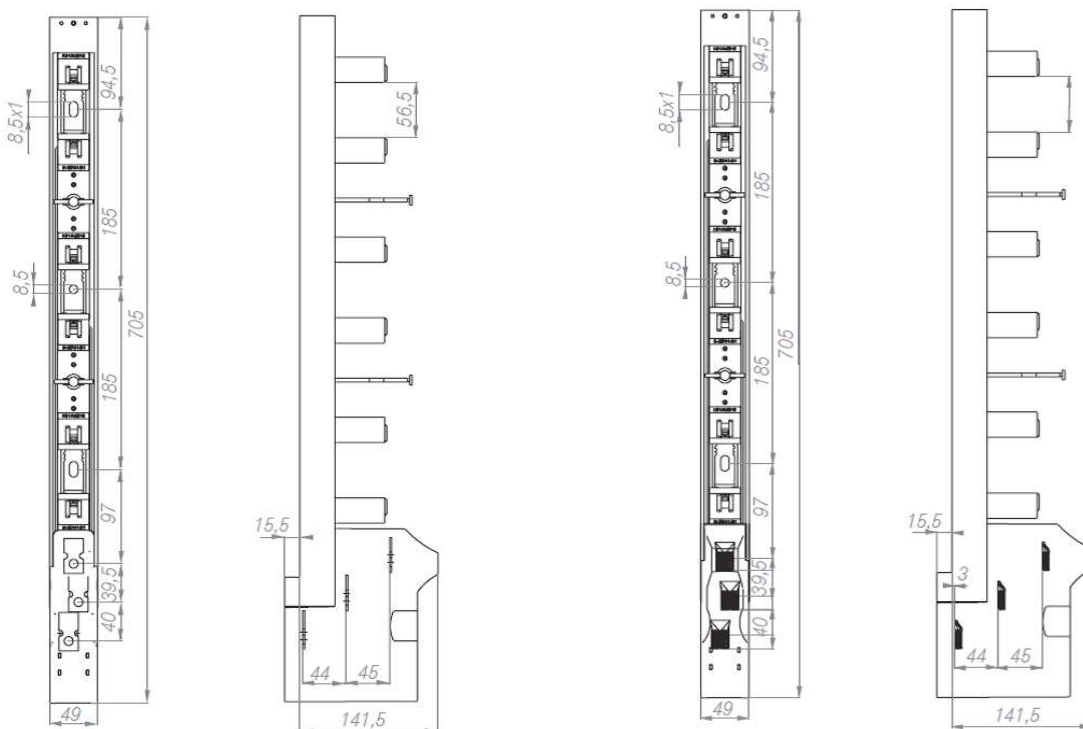
M8 Screws

side view

V-Terminals

side view

EBF 00 185 mm busbar system

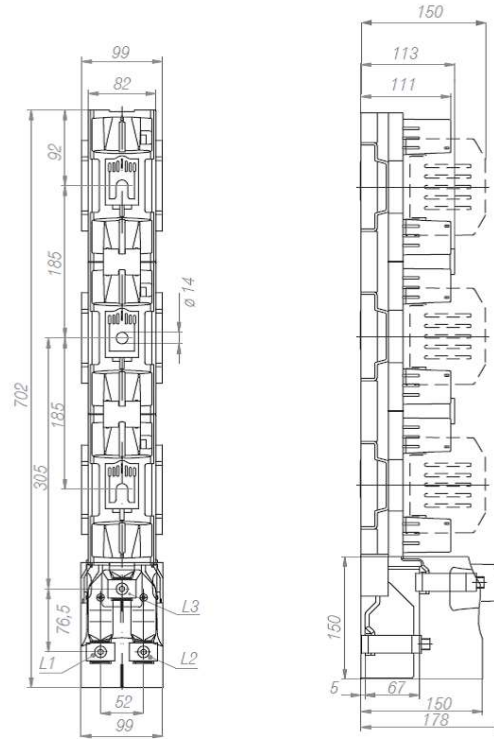
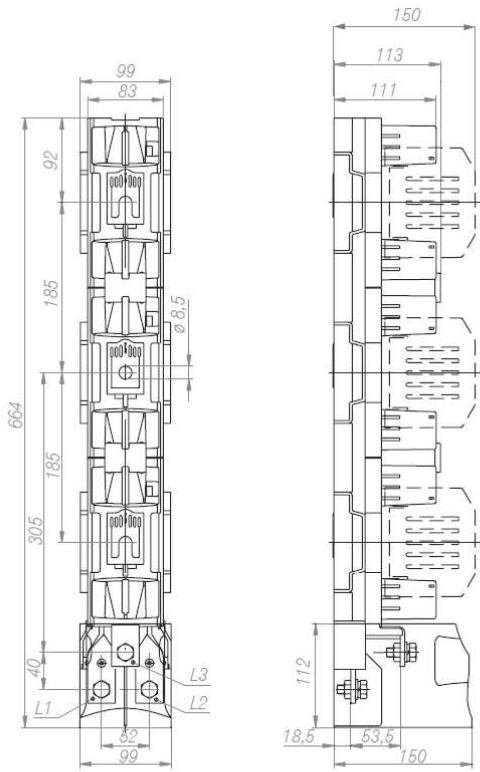


M8 Screws

V-Terminals

Dimensions (mm)

EBF 2 and 3



EBF 2 and 3

EBF 2 and 3 With terminals 2V (2 x 240 mm²)

Eaton
 EMEA Headquarters
 Route de la Longeraie 7
 1110 Morges, Switzerland

Eaton Electrical Products Limited
 Melton Road
 Burton-on-the-Wolds
 Leicestershire, LE12 5TH
 United Kingdom

© 2017 Eaton
 All Rights Reserved
 PDF Only
 Publication No. 10240
 October 2017

Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions. Only order confirmations and technical documentation by Eaton is binding. Photos and pictures also do not warrant a specific layout or functionality. Their use in whatever form is subject to prior approval by Eaton. The same applies to Trademarks (especially Eaton, Moeller, and Cutler-Hammer). The Terms and Conditions of Eaton apply, as referenced on Eaton Internet pages and Eaton order confirmations.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.