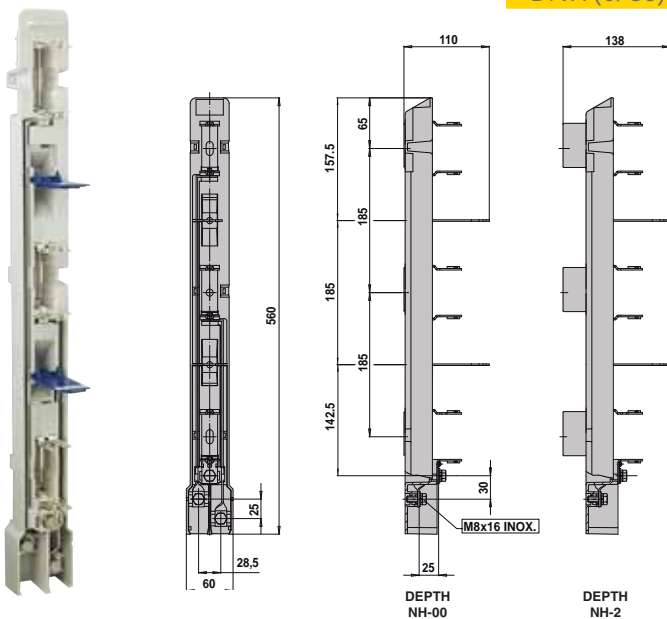


## Vertical design fuse rails NH-00 BTVA 160 A for 185 mm busbar

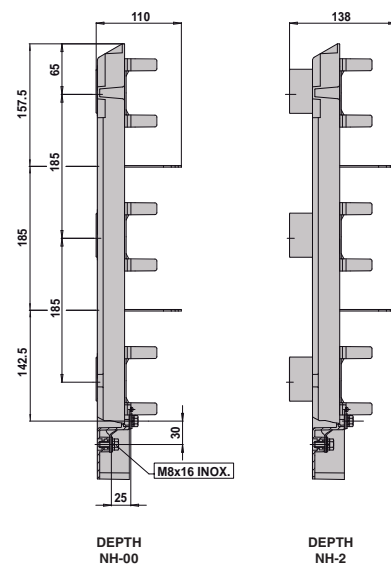
Reference	Type	Terminal type	Form/Width (mm)	Depth	Protection	Connections	Fuse link
<b>413.10.10.00</b>	BTVA	M8 stainless steel	C/60	NH-00	without protection	top/bottom reversible	NH-00
<b>413.12.10.00</b>	BTVA	M8 stainless steel	C/60	NH-2	without protection	top/bottom reversible	NH-00
<b>413.11.XX.00</b>	BTVA	see terminals pag 16	TE/50	NH-00	without protection	top/bottom reversible	NH-00
<b>413.13.XX.00</b>	BTVA		NH-2				
<b>413.14.XX.00</b>	BTVA		FS NH-00				
<b>413.15.XX.00</b>	BTVA	FS NH-1/2/3	FS/50	FS NH-1/2/3			
<b>413.21.XX.02</b>	BTVA-P	see terminals pag 16	TE/50	NH-00	with insulating covers and connection cover	top/bottom reversible	NH-00
<b>413.23.XX.02</b>	BTVA-P		NH-2				
<b>413.24.XX.02</b>	BTVA-P		FS NH-00				
<b>413.25.XX.02</b>	BTVA-P		FS NH-1/2/3				

XX: add code for terminal type (see page 16)

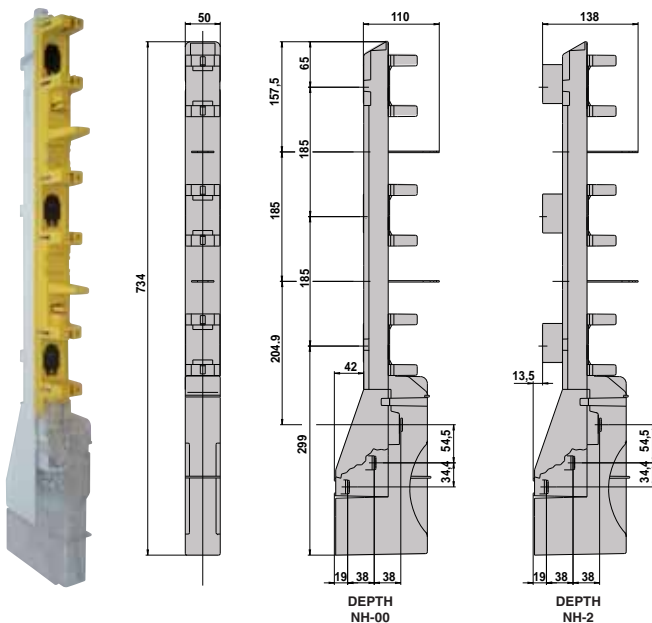
BTVA (C/60)



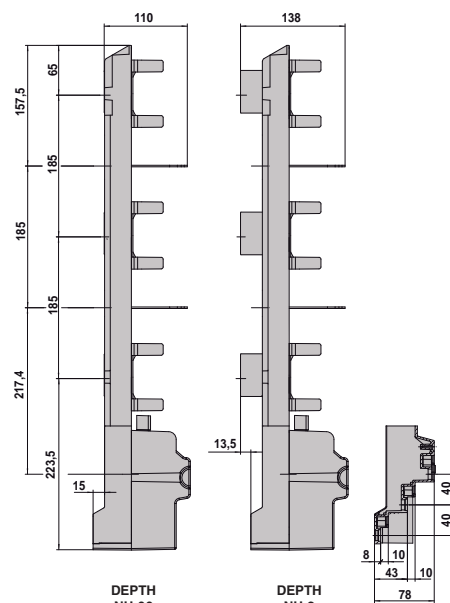
BTVA-P (C/60)



BTVA-P (TE/50)



BTVA-P (FS/50)



## Technical data TRIVER LV fuse rails &amp; fuse switches

**Vertical design fuse rails NH-00**  
**BTVA 160 A - 100 mm / 185 mm busbar spacing- (fuse rails reference 423, 413)**

IEC / EN 60269		Type →	BTVA / BTVA-PC Type 423 (100 mm)		BTVA / BTVA-P Type 413 (185 mm)	
<b>Electrical characteristics</b>	Rated operational voltage	$U_e$ (V)	AC 500	AC 690	AC 500	AC 690
	Rated operational current	$I_e$ (A)	160	100	160	100
	Conventional free air thermal current with fuses	$I_{th}$ (A)	160	100	160	100
	Conventional free air thermal current with solid links	$I_{th}$ (A)	210		250	
	Rated frequency	(Hz)	50			
	Rated conditional short-circuit current	( $kA_{eff}$ )	50			
	Test voltage	(kV)	3			
	Total power loss at $I_{th}$ (without fuse)	$P_v$ (W)	18	7	19	8
<b>Mechanical characteristics</b>	Weight	(kg)	0,920		1,650	
	Busbar distance	(mm)	100		185	
<b>Fuse links</b>	Size to IEC / EN 60269	--	00			
	Max. rated current (gL/gG)	$I_n$ (A)	160	100	160	100
	Max. permis. power loss per fuse-link	$P_v$ (W)	12	12	12	12
<b>Terminals</b>	Bolt terminal	Diameter	--	M8/M10		
		Cable lug	(mm <sup>2</sup> )	10-95		10-150
		Torque	(Nm)	12/20		
	Prism terminal	Terminal cross section	(mm <sup>2</sup> )	16-95		
		Torque	(Nm)	2.5		
	V-terminal	Terminal cross section	(mm <sup>2</sup> )	--	10-150	
		Torque	(Nm)	--	15	
	Bimetallic terminal	Terminal cross section	(mm <sup>2</sup> )	10-70		
Torque		(Nm)	12			
<b>Protection level</b>	Front operated switchgear fitted	--	IP20			
<b>Operating Conditions</b>	Ambient temperature	(°C)	-25 to +55 *(1)			
	Rated operating mode	--	continuous operation			
	Actuation	--	dependant manual operation			
	Mounting position	--	vertical / horizontal			
	Altitude	(m)	up to 2000			
	Pollution degree	--	3			
	Overvoltage category	--	III			

\*(1) 35°C normal temperature, at 55°C with reduced operating current