

Triple vertical design fuse switches NH 1/2/3 size

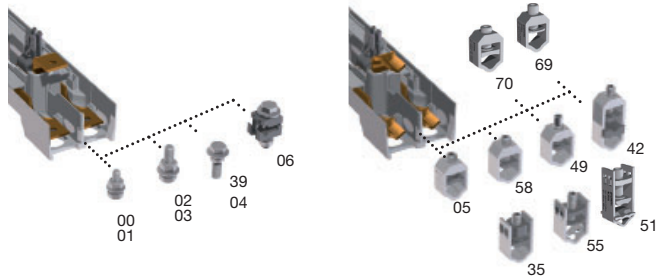




▶ RANGE

Reference	Type	Current	Switching	Connections	Fuse-link	Busbar spacing
438.81.10.XX.YY	BTVC-DT 1 handle	250 A	Three pole	Top / Bottom reversible	NH 1	185 mm
438.82.10.XX.YY					NH 2	
438.83.10.XX.YY					NH 3	

▶ TERMINALS



Terminals XX Code 438 Type							
Code	Reference	Type of terminal	Torque (Nm)	Cross section (mm ²)			
				rm	re	sm	se
00	-	M10 Bolt	32	Cable lugs DIN 46235 2 x 25-300 mm ² (max width 43 mm)			
01	-	M10 Bolt Stainless Steel	32				
02	-	M12 Bolt	40				
03	-	M12 Bolt Stainless Steel	40				
39	-	M12 Nut	40				
04	-	M12 Nut Stainless Steel	40				
06	101.01.33	Direct Terminal	32	35-70	50	35-150	50-185
05	101.01.103	Aluminum "V" Terminal with reversible pressure pad	25	16-185	16-240	35-240	35-300
58	101.01.110	Aluminum "V" Terminal	25	35-240	35-150	35-240	50-240
70	101.01.121	Aluminum "V" Terminal	30	50-120	70-150	70-240	95-300
69	101.01.132	Aluminum "V" Terminal	30	35-185	35-240	35-240	35-300
49	101.01.109	Aluminum "V" Terminal with shear head screw	25	25-240	35-150	25-240	50-240
42	101.01.129	Aluminum Double "V" Terminal	30	35-120	35-150	35-185	35-185
35	101.01.66	Steel "V" Terminal	40	35-120	35-150	50-185	50-240
55	101.01.120	Steel "V" Terminal	35	35-300	35-185	35-240	50-300
51	101.01.131	Steel Double "V" Terminal	40	35-150	35-185	50-185	50-240
46	101.01.130	Aluminum Double "V" Terminal	25-30	50-240	70-300	70-240	95-300

► FEATURES



With Fuse
Supervision Control
(FSC) Modbus



Improved
grounding
connection

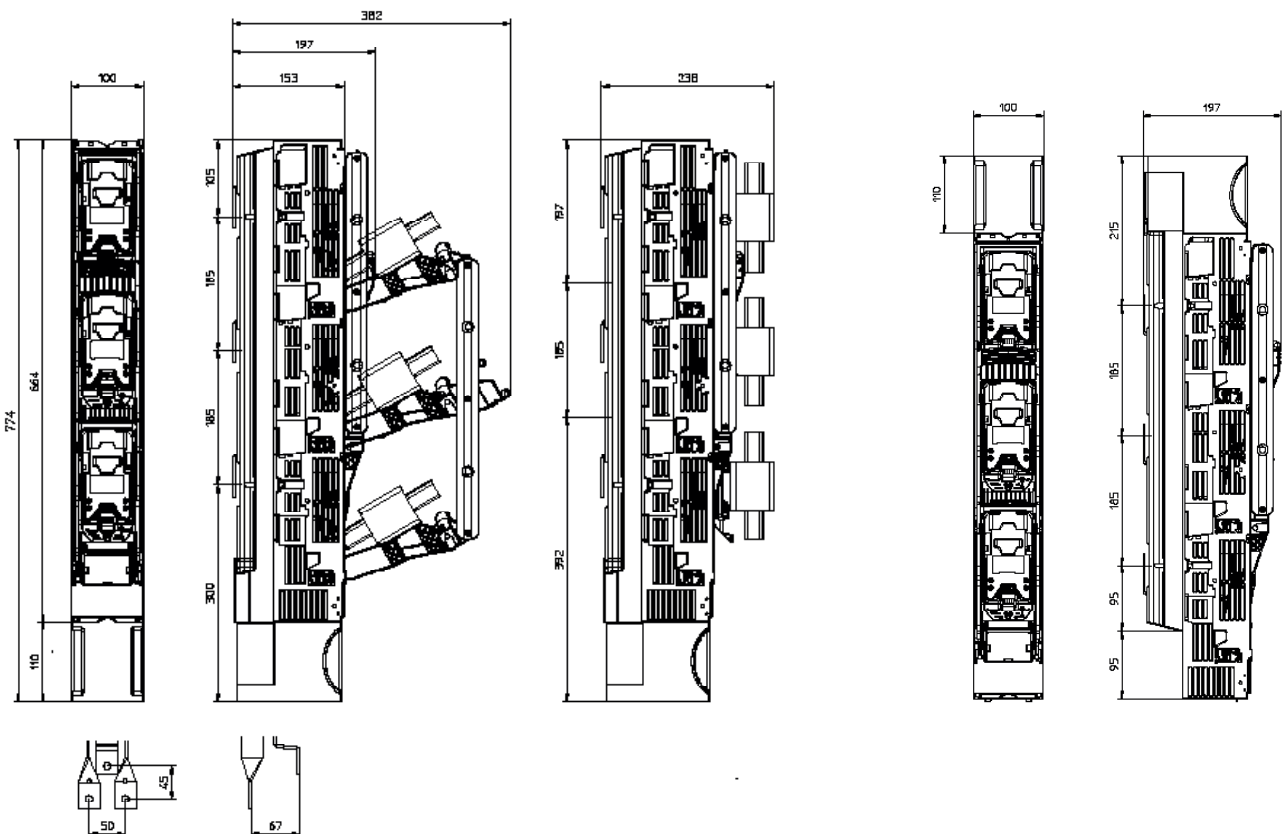


Parking
position

► DIMENSIONS

BOTTOM CONNECTION

TOP CONNECTION



► TECHNICAL DATA

IEC/EN 60947-3		Type	BTVC-DT New compact design								
			250 A			400 A			630 A		
Technical Data	Rated operational voltage	U_e (V)	AC 400	AC 500	AC 690	AC 400	AC 500	AC 690	AC 400	AC 500	AC 690
	Rated operational current	I_e (A)	250			400			630		
	Conventional free air thermal current with fuses	I_{th} (A)	250			400			630		
	Conventional free air thermal current with solid links	I_{th} (A)	400			510	510	750			
	Rated frequency	Hz	40 - 60								
	Rated insulation voltage	U_i (V)	1000								
	Rated conditional short-circuit current	(kA_{eff})	120			120			80		
	Utilization category		AC-23B	AC-22B	AC-23B	AC-22B	AC-23B	AC-22B			
	Rated impulse withstand voltage	U_{imp} (kV)	20 kV								
	Operating cycles with current		200								
	Total power loss at I_{th} (without fuse)	P_v (W)	25			52			120		
Panel front opening	mm	600 / 650									
Fuse links	Size to IEC/EN 60269		NH 1			NH 2			NH 3		
	Max. rated current (gL/gG)	I_n (A)	250			400			630		
	Max. permis. power loss per fuse-link	P_v (W)	23			34			48		
Protection degree	Front operated switchgear fitted		IP30 / Closed IP20 / Open								

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