

IEC/EN 60947-3		Type	BTVC   BTVC-DT			
			NH 00 (453)	NH 00 (443)	NH 1 (438)	NH 3 (438)
Electrical characteristics	Rated operational voltage	$U_e$ (V)	AC 800			
	Rated operational current	$I_e$ (A)	125	125	315	500
	Conventional free air thermal current with fuses	$I_{th}$ (A)	125		315	500
	Conventional free air thermal current with solid links	$I_{th}$ (A)	250		760	
	Rated frequency	(Hz)	50/60			
	Rated insulation voltage	$U_i$ (V)	1000			
	Rated impulse withstand voltage	$U_{imp}$ (kV)	8		8	
	Rated conditional short-circuit current	$(kA_{eff})$	120	120	120	90
	Utilization category	-	AC-22B			
	Rated making capacity	(A)	375	375	1260	1500
Rated breaking capacity	(A)	375	375	1260	1500	
Mechanical characteristics	Weight	(kg)	1,520	2,260	4,250	5,600
	Busbar distance	(mm)	100		185	
	Panel front opening	(mm)	600/650			
Fuse links	Size to IEC/EN 60269	-	00	00	1	3
	Max. permis. power loss per fuse-link	$P_v$ (W)	12	12	23	48

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Terminals	Bolt terminal	Diameter	-	M8		M10/M12	
		Cable lug (S/DIN 46235)	(mm <sup>2</sup> )	10-95	10-120	2x 25-300	2x 25-300
		Torque	(Nm)	12		32	
	Prism terminal	Terminal cross section	(mm <sup>2</sup> )	16-70		-	
		Torque	(Nm)	2.5		-	
	"V" Terminal	Terminal cross section	(mm <sup>2</sup> )	-	10-95	35-300	35-300
		Torque	(Nm)	-	15	25	25
	Protection degree	Front operated switchgear fitted		-	IP30		
Operating conditions	Ambient temperature		(°C)	-25 to +55 <sup>*(1)</sup>			
	Rated operating mode		-	Continuous operation			
	Actuation		-	Dependant manual operation			
	Altitude		(m)	Up to 2000			
	Pollution degree		-	3			
	Overvoltage category		-	III		IV	

\*<sup>(1)</sup> 35°C normal temperature, at 55 °C with reduced operating current.