



• 100 to 630AF

Frame size			100AF	160AF	250AF	400AF	630AF				
Type			BX100	BX160	BX250	BX400	BX630				
Appearance											
Number of poles			3, 4	3, 4	3, 4	3, 4	3, 4				
Electric characteristics as per IEC 60947-2, EN60947-2, JISC8201-2-1 (Ann1, Ann2)											
Rated current (A)	In 40°C	Thermal-magnetic	16, 25, 32, 40, 50, 63, 80, 100	125, 160	200, 250	—	—				
		Electronic	40, 100	160	100, 160, 250	400	630				
Rated insulation Voltage (V)	Ui		800	800	800	800	800				
Impulse withstand voltage (kV)	Uimp		8	8	8	8	8				
Rated operational voltage (VAC)	Ue	AC 50/60 Hz	690	690	690	690	690				
Breaking capacity range			H	H	R	H	R	H	R	H	
Ultimate breaking capacity (kArms)	Icu	AC 50/60 Hz	220/240 V	100	100	90	100	85	100	85	100
			380/415 V	70	70	50	70	50	70	50	70
			440 V	65	65	50	65	42	65	42	65
			500 V	50	50	36	50	30	50	30	50
			525 V	35	35	35	35	22	35	22	35
			660/690 V	10	10	10	10	10	20	10	20
Rated service breaking capacity (kArms)	Ics	AC 50/60 Hz	220/240 V	100	100	90	100	85	100	85	100
			380/415 V	70	70	50	70	50	70	50	70
			440 V	65	65	50	65	42	65	42	65
			500 V	50	50	36	50	30	50	30	50
			525 V	35	35	35	35	11	11	11	11
			660/690 V	10	10	10	10	10	10	10	10
Suitability for isolation			○	○	○	○	○				
Utilisation category			A	A	A	A	A				
Pollution degree (IEC60664-1, JISC60664-1)			3	3	3	3	3				
Durability (C-O cycles x1000)	Mechanical		50	40	20	15	15				
		Electrical	440 V	In/2	50	20	20	12	8		
	690 V	In	30	10	10	6	4				
		In/2	20	15	10	6	6				
In	10	7.5	5	3	2						
Electrical characteristics as per NEMA AB-1											
Breaking capacity (kArms)	AC 50/60 Hz	240 V	100	100	90	100	85	100	85	100	
		480 V	65	65	50	65	42	65	42	65	
		600 V	35	35	20	35	20	35	20	35	
Protection and measurements											
Overload /short-circuit protection	Thermal magnetic		○	○	—	○	—	—			
	Electronic	with neutral protection (Off-0.5-1-OSN)	○	○	○	○	○				
		with ground-fault protection	○	○	○	○	○				
		with zone selective interlocking (ZSI)	○	○	○	○	○				
Control units			2, 5A, 6A, 5E, 6E								
Display/I, U, I, P, E, THD measurements/interrupted-current measurement			○	○	○	○	○				
Option	Power Meter display on door		○	○	○	○	○				
	Operating assistance		○	○	○	○	○				
	Counters		○	○	○	○	○				
	Histories and alarm		○	○	○	○	○				
	Metering Com		○	○	○	○	○				
	Device status/control Com		○	○	○	○	○				
Installation/connection											
Dimensions and mass	Dimensions (mm) W x H x D	Fixed, front connection	3P	105 x 161 x 126			140 x 255 x 168				
		4P	140 x 161 x 126			185 x 255 x 168					
	Mass (kg)	Fixed, front connection	3P	2.1	2.2	2.4	6.1	6.2			
		4P	2.4	2.6	2.8	7.9	8.2				
Connections	Connection terminal	Pitch	With/without spreaders	— /35mm	— /35mm	— /35mm	52.5/45mm 70/45mm	52.5/45mm 70/45mm			