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1.General

1.1 Function

Protection of circuits against short-circuit currents, protection of circuits against overload currents switch, isolation.

EBS7B circuit-breakers are used in domestic installation as well as in commercial and industry electrical distribution systems.

1.2 Selection

Technical data of the network at the point considered: short-circuit current at the circuit-breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.

Tripping curves:

B curve (3-5In)

Protection for people and big length cables in TN and ITsystems.

C curve (5-10In)

Protection for resistive and inductive loads with low inrushcurrent.

D curve(10-20In)

Protection for circuits which supply loads with high inrushcurrent at the circuit closing(LV/LV transformers, breakdown lamps)

1.3 Approvals and certificates

CE, CB

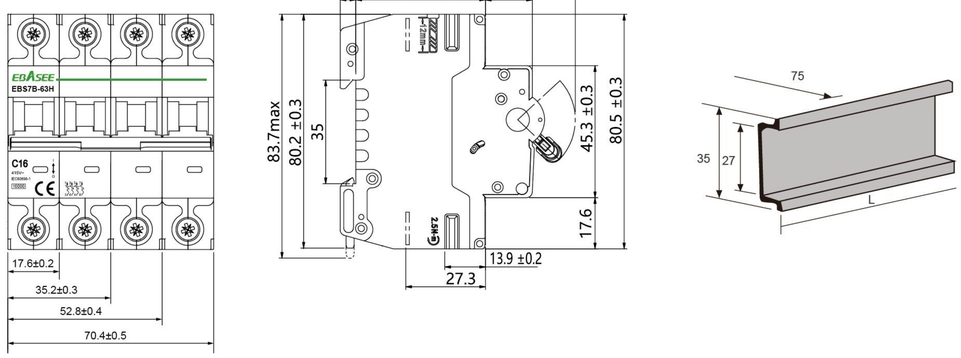


2.Nomenclature

EBS 7B - 63 N / 1P / C / 20

EBS	7B	63	N	1P	C	20
Company code	Design code	Frame level	Rated short-circuit breaking capacity	Poles	Curve	Rated current

3.Dimensions



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4.Specifications

Standard			IEC/EN60898-1		
Model			EBS7B-63S	EBS7B-63N	EBS7B-63H
Rated current In		A	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63		
Rated voltage Ue		V	230/240V (1P+N), 240/415V (1P), 400/415V (2P/3P/3P+N/4P)		
Rated frequency		Hz	50/60Hz		
Poles		P	1, 2, 3, 4, 1P+N, 3P+N		
Mechanical life			20000		
Electrical life			10000		
Rated short-circuit breaking capacity Icn		A	4500	6000	10000
Operating short-circuit breaking capacity Ics		A	4500	6000	7500
Rated insulation voltage Ui		V	500		
Rated impulse withstand voltage(1.2/50)Uimp		kV	6.2		
Dielectric test voltage		V	2000V (50Hz, 1 minute)		
Vibration resistance(IEC/EN 60068-2-6)			No obvious vibration and impact		
Terminal Blocks	Minimum connectable conductor cross-sectional area (mm²)		1.5		
	Maximum connectable conductor cross-sectional area (mm²)		25		
	Standard connection torque (N·m)		2-2.5		
	Maximum withstand torque (N·m)		2.5		
	Conductor insertion depth (mm)		10-15		
Reference Temperature		°C	30		
Operating Temperature		°C	-25~+40		
Storage Temperature		°C	-35~+85		
Applicable Altitude		m	≤2000		
Trip Type			Thermal magnetic tripping		
Instantaneous trip type	Type B (3In~5In)		·		
	Type C (5In~10In)		·		
	Type D (10In~20In)		·		
Cable Entry			Both up and down		
Installation Method			TH35-7.5 standard guide rail		
Pollution Degree			2		
Protection level	Direct installation		IP20		
	Install in the distribution box		IP40		
Accessories			OF, SD, MX, MN, MV+MN, OF+SD		