M

1.General

1.1 Function

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

EBS8B-125 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:

C curve (10In ± 20%)

Protection for resistive and inductive loads with low inrushcurrent.

D curve(12In ± 20%)

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

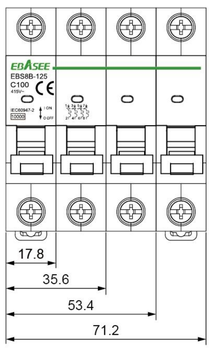


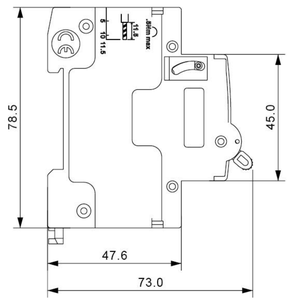
2.Nomenclature

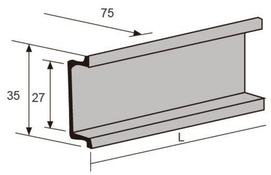
EBS | 8B | - | 125 | / | 1P | / | C | / | 125

Company code	Design code		Frame level		Poles	Curve	Rated current

3.Dimensions







M

4.Specifications

Standard			IEC/EN60898-1, IEC/EN60947-2
Rated current In		A	80, 100, 125
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	10000
Operating short-circuit breaking capacity Ics		A	10000
Rated insulation voltage Ui		V	500
Rated impulse withstand voltage(1.2/50)Uimp		kV	6.2
Dielectric test voltage		V	2000 (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)		50
	Standard connection torque (N·m)		3-3.5
	Maximum withstand torque (N·m)		3.5
	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 C (10In ± 20%)		·
	Type D (12In ± 20%)		·
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