

1.General

1.1 Function

Protection of circuits against short-circuit currents, protection of circuits against overload currents switch, isolation.
HM6B circuit-breakers are used in domestic installation as well as in commercial and industry electrical distribution systems.

1.2 Selection

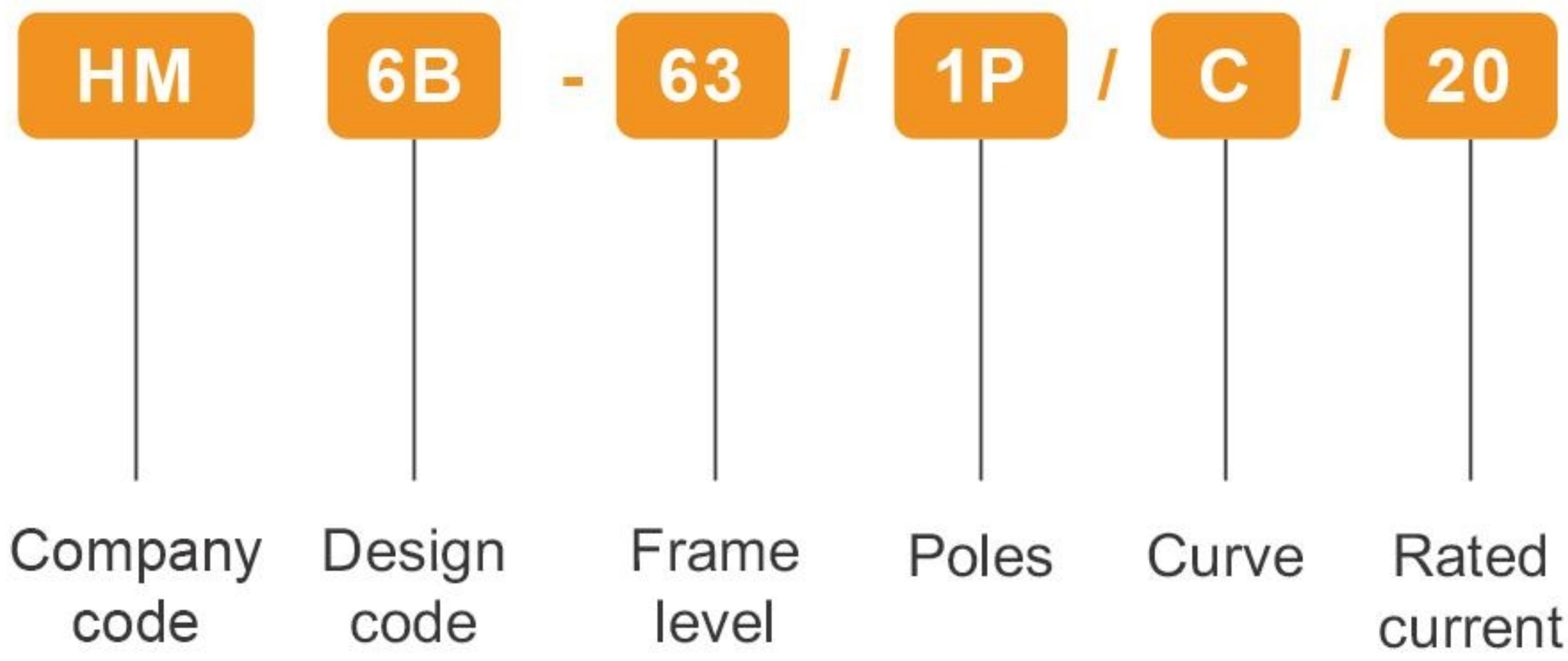
Technical data of the network at the point considered: short-circuit current at the circuit-breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.
Tripping curves:
B curve (3-5In)
Protection for people and big length cables in TN and IT systems.
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

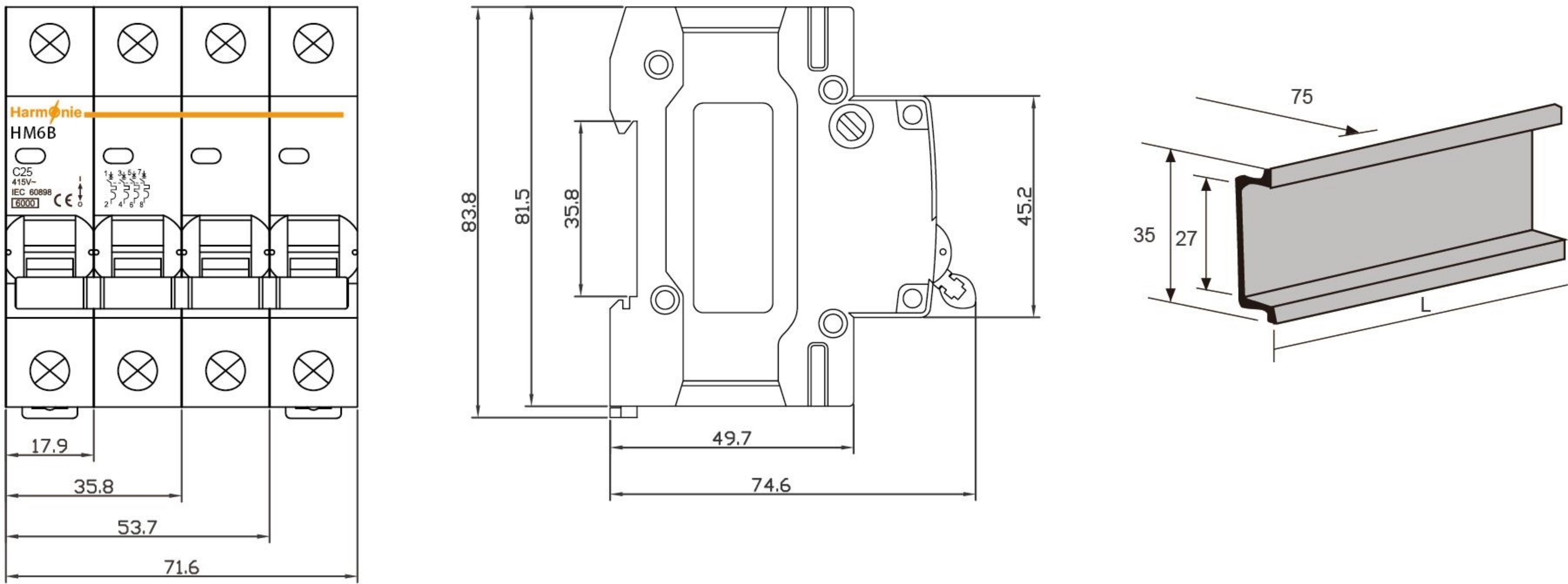
CB, CE



2.Nomenclature



3.Dimensions



4.Specifications

Standard		IEC/EN60898-1
Rated current In	A	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 70
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	6000
Operating short-circuit breaking capacity Ics	A	6000
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