

Motor Protection Circuit Breaker BE2, 3-pole, 13-18A

Class 10A



Schrack Info

- Motor protection switch series CUBICO according to EN 60947-2
- For rated current of motor from 0.16A up to 32A
- Tripping class 10A
- Suitable for IE3 motors
- With phase failure monitoring
- "Side mounted" and frontside auxiliary contacts optional

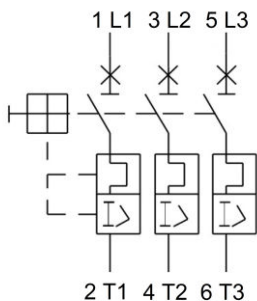
Technical Data

Rated operational voltage (V)	440
	500
	230/240
	400/415
	690
Rated frequency (Hz)	50/60
Rated impulse withstand voltage [U _{imp}] (V)	8000
Rated insulation voltage [U _i] (V)	690
Regulating range of setting current (A)	13 - 18

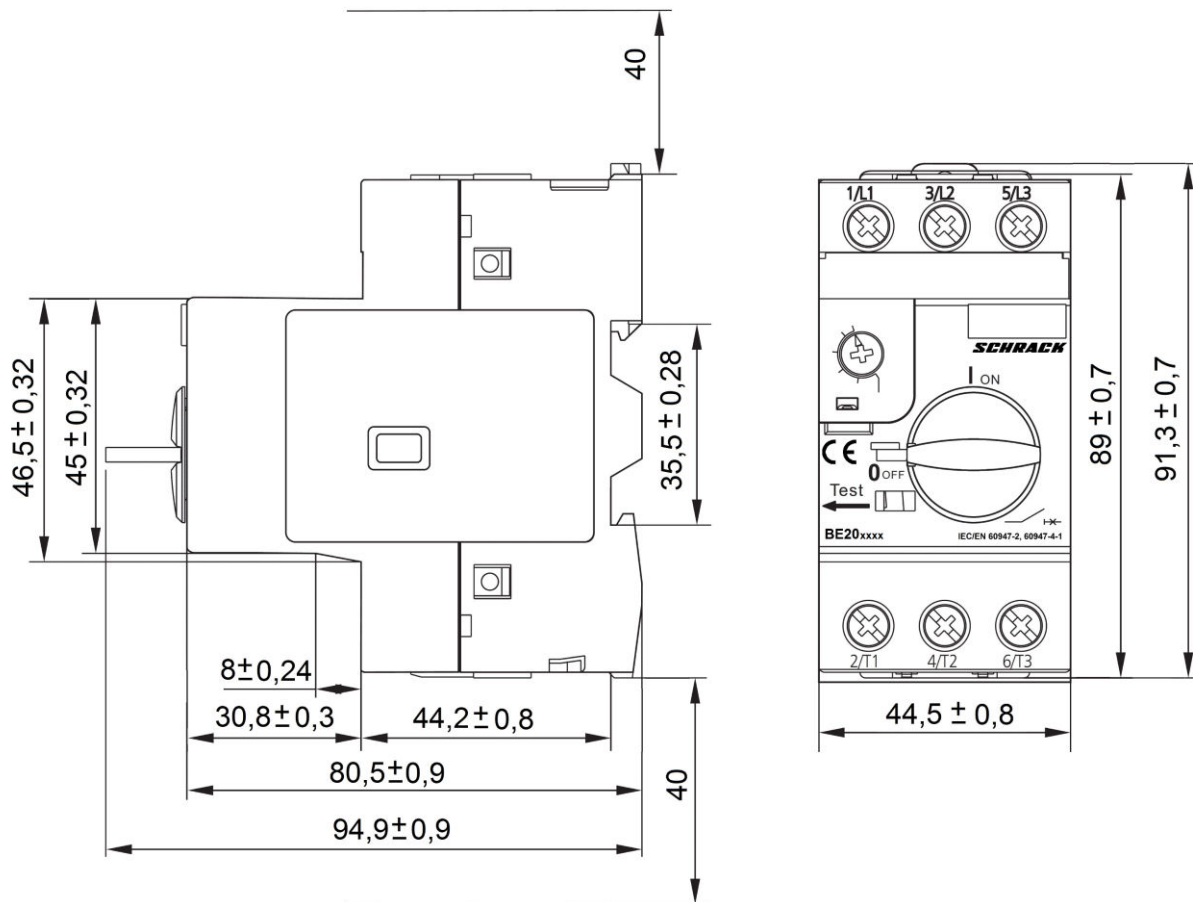
Technical Data - continued

Rated current of release at AC-3 (A)	18
Current setting value of electromagnetic release (A)	223
Standard	EN 60947-4-1 IEC 60947-2 IEC 60947-4-1 EN 60947-2
Trip class	Class 10A
Poles	3
Mechanical endurance Main contact (Operation cycle)	100000
Mechanical endurance Auxiliary contact (Operation cycle)	100000
Maximum switching frequency at AC-3 per hour	30
Design of the overload release	Thermal
Relative humidity (%)	50
Protection against electrical shock	Finger-proof
IP Rating	IP20
Size type	0
Connection type	Screw clamps
Terminal cross-section main contact (mm ²)	13,2
Terminal capacity auxiliary contact (mm ²)	8,8
Tightening torque [main contact] (Nm)	1,7
Tightening torque [auxiliary contact] (Nm)	1,2
Mounting position max. deviation vertical (°)	5
Mounting position max. deviation horizontal (°)	5
Max. Altitude (m)	2000
Pollution degree	3
Main contacts	3 NO
Additional auxiliary contacts	1 NO + 1 NC
Mounting	DIN-Rail

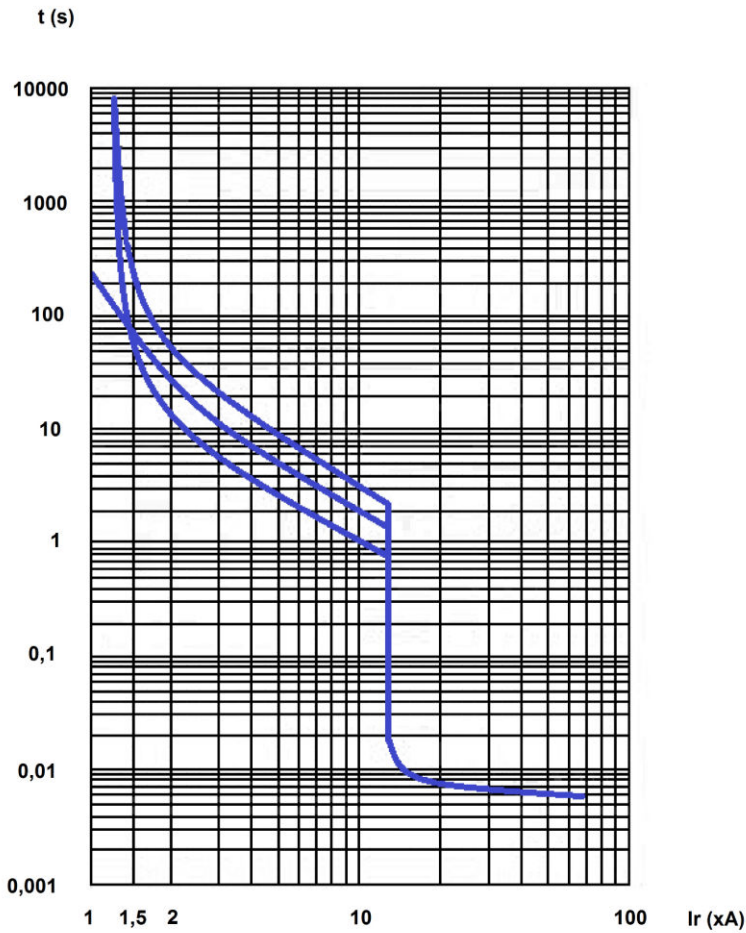
Circuit diagram: Motor Protection Circuit Breaker BE2, 3-pole, 13-18A



Dimensioned drawing: Motor Protection Circuit Breaker BE2, 3-pole, 13-18A



Characteristics Diagram



Rated ultimate short-circuit breaking capacity I_{cu} [kA]

	BE200025--	BE200040--	BE200063--	BE200100--	BE200160--	BE200250--	BE200400--
230/240V	100	100	100	100	100	100	100
400/415V	100	100	100	100	100	100	100
440V	100	100	100	100	100	100	100
480/500V	100	100	100	100	100	100	100
660/690V	100	100	100	100	100	3	3
	BE200630--	BE201000--	BE201400--	BE201800--	BE202300--	BE202500--	BE203200--
230/240V	100	100	100	100	50	50	50
400/415V	100	100	15	15	15	15	10
440V	50	15	8	8	6	6	6
480/500V	50	10	6	6	4	4	4
660/690V	3	3	3	3	3	3	3

Rated service short-circuit breaking capacity Ics [kA]

	BE200025--	BE200040--	BE200063--	BE200100--	BE200160--	BE200250--	BE200400--
230/240V	100	100	100	100	100	100	100
400/415V	100	100	100	100	100	100	100
440V	100	100	100	100	100	100	100
480/500V	100	100	100	100	100	100	100
660/690V	100	100	100	100	100	2,25	2,25
	BE200630--	BE201000--	BE201400--	BE201800--	BE202300--	BE202500--	BE203200--
230/240V	100	100	100	100	50	50	50
400/415V	100	100	7,5	7,5	6	6	5
440V	50	15	4	4	3	3	3
480/500V	50	10	4,5	4,5	3	3	3
660/690V	2,25	2,25	2,25	2,25	2,25	2,25	2,25

Standard rated power of three-phase motor [kW]

	BE200025--	BE200040--	BE200063--	BE200100--	BE200160--	BE200250--	BE200400--
230/240V	-	-	-	-	-	0,37	0,75
400V	-	-	-	-	0,37	0,75	1,5
415V	-	-	-	-	-	0,75	1,5
440V	-	-	-	0,37	0,55	1,1	1,5
500V	-	-	-	0,37	0,75	1,1	2,2
660/690V	-	-	0,37	0,55	1,1	1,5	3
	BE200630--	BE201000--	BE201400--	BE201800--	BE202300--	BE202500--	BE203200--
230/240V	1,1	2,2	3	4	5,5	5,5	7,5
400V	2,2	4	5,5	7,5	11	11	15
415V	2,2	4	5,5	9	11	11	15
440V	3	4	7,5	9	11	11	15
500V	3,7	5,5	7,5	9	11	15	18,5
660/690V	4	7,5	9	11	15	18,5	25

Article Table

DESCRIPTION	Order No.
Motor Protection Circuit Breaker BE2, 3-pole, 13-18A Class 10A	BE201800
Optional Accessories	
Auxiliary contact, side-mounting for BE20	BE2ZAS11
Auxiliary contact, front-mounting for BE2	BE2ZAF11
Undervoltage release unit for BE2 230VAC 50Hz	BE2ZU230