

Data Sheet for Article: BE200160--

# Motor Protection Circuit Breaker BE2, 3-pole, 1-1,6A

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

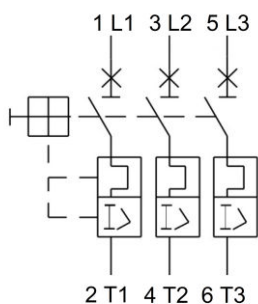
## Technical Data

Rated operational voltage (V)	440
	500
	230/240
	400/415
	690
Rated frequency (Hz)	50/60
Rated impulse withstand voltage [U <sub>imp</sub> ] (V)	8000
Rated insulation voltage [U <sub>i</sub> ] (V)	690
Regulating range of setting current (A)	1 - 1,6

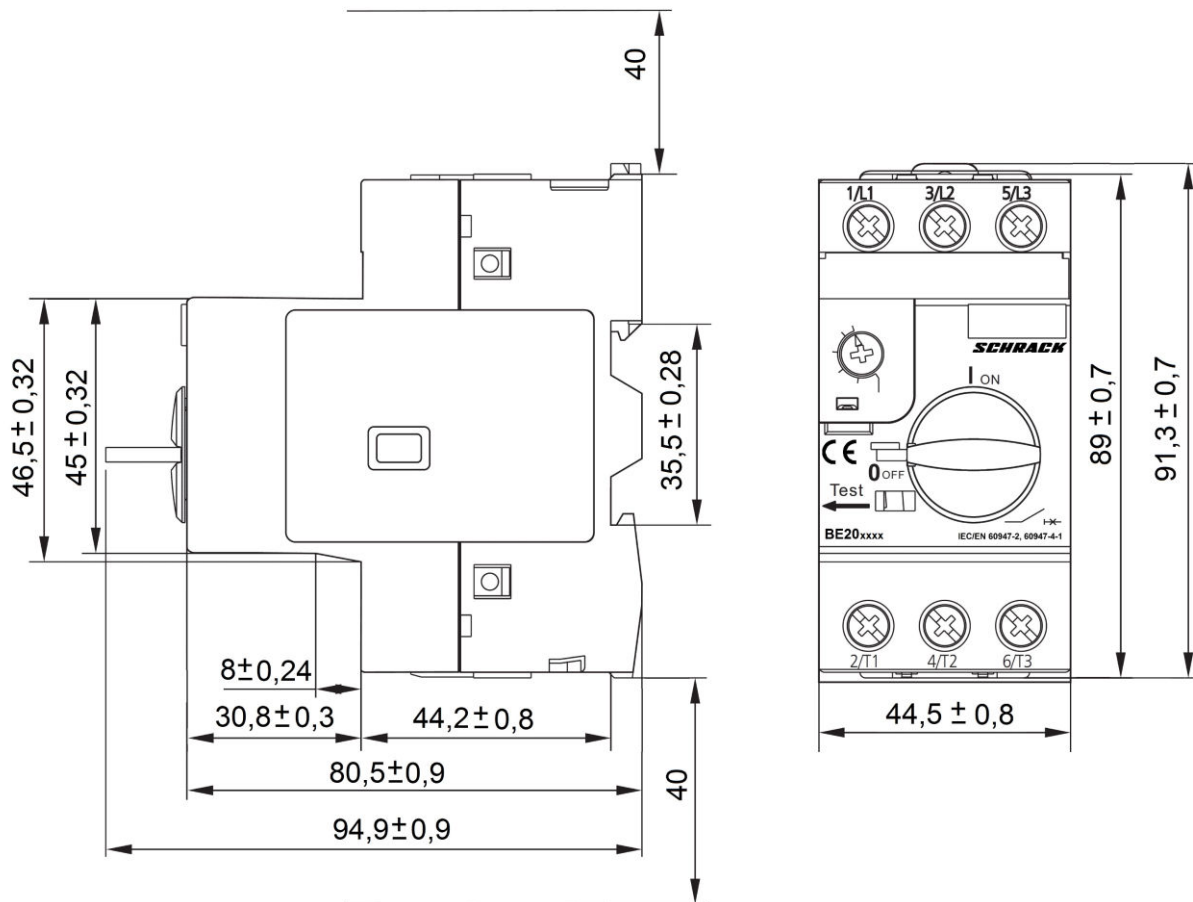
## Technical Data - continued

Rated current of release at AC-3 (A)	1,60
Current setting value of electromagnetic release (A)	22,50
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 <sup>2</sup> )	13,2
Terminal capacity auxiliary contact (mm <sup>2</sup> )	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

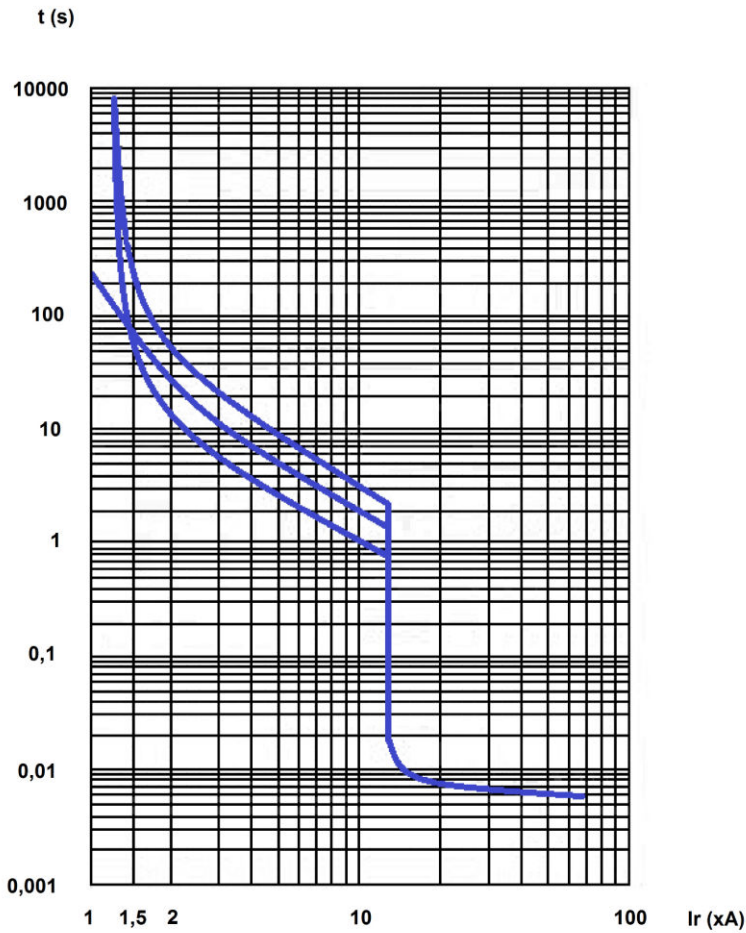
## Circuit diagram: Motor Protection Circuit Breaker BE2, 3-pole, 1-1,6A



## Dimensioned drawing: Motor Protection Circuit Breaker BE2, 3-pole, 1-1,6A



## Characteristics Diagram



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

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

## Rated service short-circuit breaking capacity Ics [kA]

	BE200025--	BE200040--	BE200063--	BE200100--	BE200160--	BE200250--	BE200400--
<b>230/240V</b>	100	100	100	100	100	100	100
<b>400/415V</b>	100	100	100	100	100	100	100
<b>440V</b>	100	100	100	100	100	100	100
<b>480/500V</b>	100	100	100	100	100	100	100
<b>660/690V</b>	100	100	100	100	100	2,25	2,25
	BE200630--	BE201000--	BE201400--	BE201800--	BE202300--	BE202500--	BE203200--
<b>230/240V</b>	100	100	100	100	50	50	50
<b>400/415V</b>	100	100	7,5	7,5	6	6	5
<b>440V</b>	50	15	4	4	3	3	3
<b>480/500V</b>	50	10	4,5	4,5	3	3	3
<b>660/690V</b>	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--
<b>230/240V</b>	-	-	-	-	-	0,37	0,75
<b>400V</b>	-	-	-	-	0,37	0,75	1,5
<b>415V</b>	-	-	-	-	-	0,75	1,5
<b>440V</b>	-	-	-	0,37	0,55	1,1	1,5
<b>500V</b>	-	-	-	0,37	0,75	1,1	2,2
<b>660/690V</b>	-	-	0,37	0,55	1,1	1,5	3
	BE200630--	BE201000--	BE201400--	BE201800--	BE202300--	BE202500--	BE203200--
<b>230/240V</b>	1,1	2,2	3	4	5,5	5,5	7,5
<b>400V</b>	2,2	4	5,5	7,5	11	11	15
<b>415V</b>	2,2	4	5,5	9	11	11	15
<b>440V</b>	3	4	7,5	9	11	11	15
<b>500V</b>	3,7	5,5	7,5	9	11	15	18,5
<b>660/690V</b>	4	7,5	9	11	15	18,5	25

## Article Table

DESCRIPTION	Order No.
Motor Protection Circuit Breaker BE2, 3-pole, 1-1,6A Class 10A	BE200160
<b>Optional Accessories</b>	
Auxiliary contact, side-mounting for BE20	BE2ZAS11
Auxiliary contact, front-mounting for BE2	BE2ZAF11
Undervoltage release unit for BE2 230VAC 50Hz	BE2ZU230