

E3VU series circuit breakers

Application

E3VU series circuit breakers are applicable for the circuit of AC 50/60Hz, rated insulation voltage 750V, rated operating voltage up to 660V, rated operation current from 0.1A to 63A. They are used for protecting motors against overload, short-circuit and phase-failure. They can also be used for starting and stopping starters for motors, and for the circuit protection in the circuit of 0.1A-63A.

Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3 (kW)	Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current I _e in (A)	Reference	Weight (kg)
	0.1-0.16	1.9	0.16	E3VU13-XB00	0.29
0.06	0.16-0.24	2.9	0.24	E3VU13-XC00	0.29
0.09/0.12	0.24-0.4	4.8	0.4	E3VU13-XD00	0.29
0.12/0.18	0.4-0.6	7.2	0.6	E3VU13-XE00	0.29
0.25	0.6-1	12	1	E3VU13-XF00	0.29
0.37/0.55	1-1.6	19	1.6	E3VU13-XG00	0.29
0.75	1.6-2.4	29	2.4	E3VU13-XH00	0.29
1.1	2-3.2	38	3.2	E3VU13-NH00	0.29
1.1/1.5	2.4-4	48	4	E3VU13-XJ00	0.29
1.5/2.2	3.2-5	60	5	E3VU13-NJ00	0.29
2.2	4-6	72	6	E3VU13-XK00	0.29
3	5-8	96	8	E3VU13-NK00	0.29
□	6-10	120	10	E3VU13-XL00	0.29
4/5.5	8-13	156	13	E3VU13-NL00	0.29
7.5	10-16	190	16	E3VU13-XM00	0.29
7.5	14-20	240	20	E3VU13-XN00	0.29
11	18-25	300	25	E3VU13-XP00	0.29
0.37/0.55	1-1.6	19	1.6	E3VU16-XG00	0.76
0.75	1.6-2.4	29	2.4	E3VU16-XH00	0.76
1.1/1.5	2.4-4	48	4	E3VU16-XJ00	0.76
2.2	4-6	72	6	E3VU16-XK00	0.76
3/4 □	6-10	120	10	E3VU16-XL00	0.76
5.5/7.5	10-16	190	16	E3VU16-XM00	0.76
11	16-25	300	25	E3VU16-XN00	0.76
15	22-32	380	32	E3VU16-XP00	0.76
18.5	28-40	480	40	E3VU16-XQ00	0.76
22	36-52	600	52	E3VU16-XR00	0.76
	45-63	600	63	E3VU16-KS00	0.76

No auxiliary contacts: 0

With auxiliary contacts Integrated in the circuit-breaker: 1NO+1NC...1, 2NO...2, 2NC...3



E3VU13



E3VU16

E3VE series circuit breakers

Application

E3VE series circuit breakers are suitable in the circuit of AC 50/60Hz, rated operating voltage up to 660V, rated operating current from 0.1A to 63A. They are used for preventing motors from overload and short circuit. They also can be used as direct starters to start motors and switches to changeover the circuit under the normal conditions.

Technical parameter

Rated breaking capacity of short circuit			Rated voltage (V)	Rated current (A)	Mechanic life	Electric life	Reference
220V	380V	660V					
1.5	1.5	1	660	20	4x10 ⁴	5000	E3VE1
10	10	3	660	32	4x10 ⁴	5000	E3VE3
22	22	7.5	660	63	2x10 ⁴	1500	E3VE4

Setting range of thermal trips (A)	Thermal current I _e in (A)	Reference	Type
0.1-0.16	0.16	E3VE1-1B00	E3VE1
0.16-0.25	0.25	E3VE1-1C00	
0.25-0.4	0.4	E3VE1-1D00	
0.4-0.63	0.63	E3VE1-1E00	
0.63-1	1	E3VE1-1F00	
1-1.6	1.6	E3VE1-1G00	
1.6-2.5	2.5	E3VE1-1H00	
2-3.2	3.2	E3VE1-1S00	
2.5-4	4	E3VE1-1J00	
3.2-4.5	4.5	E3VE1-1T00	
4-6.3	6.3	E3VE1-1K00	
5-8	8	E3VE1-1Z00	
6.3-10	10	E3VE1-1L00	
8-12.5	12.5	E3VE1-1X00	
10-16	16	E3VE1-1M00	
14-20	20	E3VE1-1N00	
1-1.6	0.16	E3VE3-1G00	E3VE3
1.6-2.5	0.25	E3VE3-1H00	
2.5-4	0.4	E3VE3-1J00	
4-6.3	0.63	E3VE3-1K00	
6.3-10	10	E3VE3-1L00	
8-12.5	12.5	E3VE3-1X00	
10-16	16	E3VE3-1M00	
12.5-20	20	E3VE3-1Y00	
16-25	25	E3VE3-1N00	
22-32	32	E3VE3-1P00	
6.3-10	10	E3VE3-1L00	
10-16	16	E3VE3-1M00	
16-25	25	E3VE3-1N00	
22-32	32	E3VE3-1P00	
28-40	40	E3VE3-1S00	
36-50	50	E3VE3-1R00	
45-63	63	E3VE3-1T00	
6.3-10	10	E3VE4-1L00	E3VE4
10-16	16	E3VE4-1M00	
16-25	25	E3VE4-1N00	
22-32	32	E3VE4-1P00	
28-40	40	E3VE4-1S00	
36-50	50	E3VE4-1R00	
45-63	63	E3VE4-1T00	



E3VE1



E3VE3



E3VE4



EGV2-M

EGV2-M series circuit breakers

Application

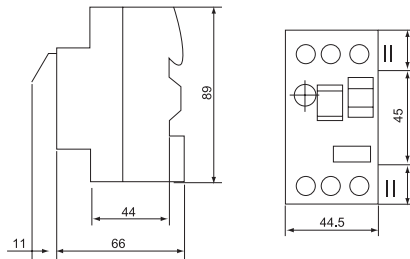
EGV2-M series circuit breakers are mainly used for the overload and short-circuit protection for motors in the circuit of AC 50/60Hz, rated operating voltage up to 660V, rated operating current from 0.1A to 80A, as the full-voltage starters to start and cut off motors under the AC3 load, and for the circuit protection in the circuit of 0.1A-80A.

Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3					Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current I _e in (A)	Reference	Weight (kg)
220V 230V (kW)	400V 415V (kW)	440V (kW)	550V (kW)	690V (kW)					
-	-	-	-	-	0.1-0.16	1.5	0.16	EGV2-M01	0.260
-	0.06	0.06	-	-	0.16-0.25	2.4	0.25	EGV2-M02	0.260
0.06	0.09	0.09	-	-	0.25-0.40	5	0.40	EGV2-M03	0.260
-	0.12	0.18	-	0.37	0.40-0.63	8	0.63	EGV2-M04	0.260
0.09	0.25	0.25	0.37	0.55	0.63-1	13	1	EGV2-M05	0.260
0.18	0.37	0.37	0.37	0.75	1-1.6	22.5	1.6	EGV2-M06	0.260
0.37	0.75	0.75	1.1	1.5	1.6-2.5	33.5	2.5	EGV2-M07	0.260
0.55	1.1	1.5	1.5	2.2	2.5-4	51	4	EGV2-M08	0.260
1.1	2.2	2.2	3	4	4-6.3	78	6.3	EGV2-M10	0.260
1.5	3	4	4	5.5	6-10	138	9	EGV2-M14	0.260
2.2	5.5	5.5	7.5	9	9-14	170	13	EGV2-M16	0.260
4	7.5	7.5	9	15	13-18	223	17	EGV2-M20	0.260
5.5	9	11	11	18.5	17-23	327	21	EGV2-M21	0.260
5.5	11	11	15	22	20-25	327	23	EGV2-M22	0.260
7.5	15	15	18.5	22	24-32	416	30	EGV2-M32	0.260

Thermal-magnetic motor circuit-breakers EGV2-M with built-in auxiliary contact block

Dimension



EGV2-ME series circuit breakers

Application

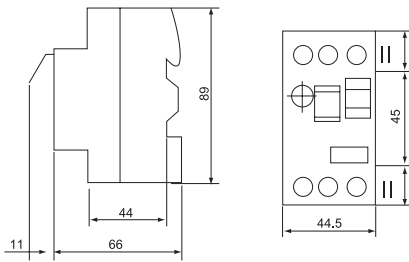
EGV2-ME series circuit breakers are mainly used for the overload and short-circuit protection for motors in the circuit of AC 50/60Hz, rated operating voltage up to 660V, rated operating current from 0.1A to 80A, as the full-voltage starters to start and cut off motors under the AC3 load, and for the circuit protection in the circuit of 0.1A-80A.

Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3					Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current I _e in (A)	Reference	Weight (kg)
220V 230V (kW)	400V 415V (kW)	440V (kW)	550V (kW)	690V (kW)					
-	-	-	-	-	0.1-0.16	1.5	0.16	EGV2-ME01	0.260
-	0.06	0.06	-	-	0.16-0.25	2.4	0.25	EGV2-ME02	0.260
0.06	0.09	0.09	-	-	0.25-0.40	5	0.40	EGV2-ME03	0.260
-	0.12	0.18	-	0.37	0.40-0.63	8	0.63	EGV2-ME04	0.260
0.09	0.25	0.25	0.37	0.55	0.63-1	13	1	EGV2-ME05	0.260
0.18	0.37	0.37	0.37	0.75	1-1.6	22.5	1.6	EGV2-ME06	0.260
0.37	0.75	0.75	1.1	1.5	1.6-2.5	33.5	2.5	EGV2-ME07	0.260
0.55	1.1	1.5	1.5	2.2	2.5-4	51	4	EGV2-ME08	0.260
1.1	22	22	3	4	4-6.3	78	6.3	EGV2-ME10	0.260
1.5	3	4	4	5.5	6-10	138	9	EGV2-ME14	0.260
2.2	5.5	5.5	7.5	9	9-14	170	13	EGV2-ME16	0.260
4	7.5	7.5	9	15	13-18	223	17	EGV2-ME20	0.260
5.5	9	11	11	18.5	17-23	327	21	EGV2-ME21	0.260
5.5	11	11	15	22	20-25	327	23	EGV2-ME22	0.260
7.5	15	15	18.5	22	24-32	416	30	EGV2-ME32	0.260

Thermal-magnetic motor circuit-breakers EGV2-ME with built-in auxiliary contact block

Dimension



EGV2-ME



EGV2-RS

EGV2-RS series circuit breakers

Application

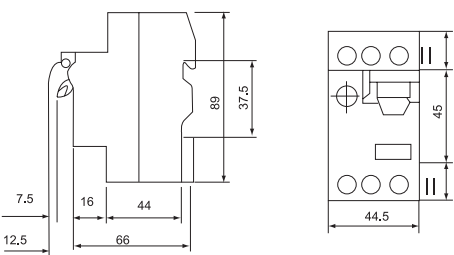
EGV2-RS series circuit breakers are mainly used for the overload and short-circuit protection for motors in the circuit of AC 50/60Hz, rated operating voltage up to 660V, rated operating current from 0.1A to 80A, as the full-voltage starters to start and cutoff motors under the AC3 load, and for the circuit protection in the circuit of 0.1A-80A.

Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3					Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current le in (A)	Reference	Weight (kg)
220V 230V (kW)	400V 415V (kW)	440V (kW)	550V (kW)	690V (kW)					
-	-	-	-	-	0.1-0.16	1.5	0.16	EGV2-RS01	0.260
-	0.06	0.06	-	-	0.16-0.25	2.4	0.25	EGV2-RS02	0.260
0.06	0.09	0.09	-	-	0.25-0.40	5	0.40	EGV2-RS03	0.260
-	0.12	0.18	-	0.37	0.40-0.63	8	0.63	EGV2-RS04	0.260
0.09	0.25	0.25	0.37	0.55	0.63-1	13	1	EGV2-RS05	0.260
0.18	0.37	0.37	0.37	0.75	1-1.6	22.5	1.6	EGV2-RS06	0.260
0.37	0.75	0.75	1.1	1.5	1.6-2.5	33.5	2.5	EGV2-RS07	0.260
0.55	1.1	1.5	1.5	2.2	2.5-4	51	4	EGV2-RS08	0.260
1.1	2.2	2.2	3	4	4-6.3	78	6.3	EGV2-RS10	0.260
1.5	3	4	4	5.5	6-10	138	9	EGV2-RS14	0.260
2.2	5.5	5.5	7.5	9	9-14	170	13	EGV2-RS16	0.260
4	7.5	7.5	9	15	13-18	223	17	EGV2-RS20	0.260
5.5	9	11	11	18.5	17-23	327	21	EGV2-RS21	0.260
5.5	11	11	15	22	20-25	327	23	EGV2-RS22	0.260
7.5	15	15	18.5	22	24-32	416	30	EGV2-RS32	0.260

Thermal-magnetic motor circuit-breakers EGV2-RS with built-in auxiliary contact block

Dimension





EGV3-M

EGV3-M series circuit breakers

Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3 (kW)	Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current I _e in (A)	Reference
0.37	1-1.6	19	1.6	EGV3-M06
0.75	1.6-2.5	30	2.5	EGV3-M07
1.1/1.5	2.5-4	48	4	EGV3-M08
2.2	4-6	72	6	EGV3-M10
3/4	6-10	120	10	EGV3-M14
5.5/7.5	10-16	190	16	EGV3-M20
11	16-25	300	25	EGV3-M25
18.5	25-40	480	40	EGV3-M40
30	40-63	720	63	EGV3-M63
40	56-80	960	80	EGV3-M80

EGV3-ME series circuit breakers

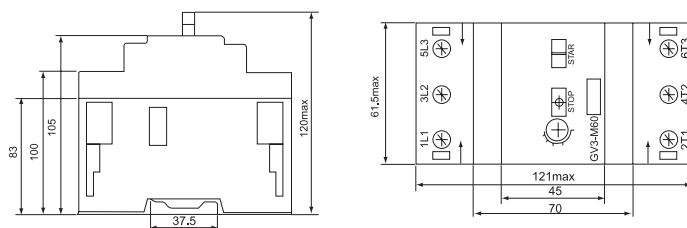
Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3 (kW)	Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current I _e in (A)	Reference
0.37	1-1.6	19	1.6	EGV3-ME06
0.75	1.6-2.5	30	2.5	EGV3-ME07
1.1/1.5	2.5-4	48	4	EGV3-ME08
2.2	4-6	72	6	EGV3-ME10
3/4	6-10	120	10	EGV3-ME14
5.5/7.5	10-16	190	16	EGV3-ME20
11	16-25	300	25	EGV3-ME25
18.5	25-40	480	40	EGV3-ME40
30	40-63	720	63	EGV3-ME63
40	56-80	960	80	EGV3-ME80



EGV3-ME

Dimension



EGV4-M series circuit breakers box

Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3					Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current le in (A)	Reference	Weight (kg)
220V 230V (kW)	400V 415V (kW)	440V (kW)	550V (kW)	690V (kW)					
-	-	-	-	-	0.1-0.16	1.5	0.16	EGV4-M01	0.260
-	0.06	0.06	-	-	0.16-0.25	2.4	0.25	EGV4-M02	0.260
0.06	0.09	0.09	-	-	0.25-0.40	5	0.40	EGV4-M03	0.260
-	0.12	0.18	-	0.37	0.40-0.63	8	0.63	EGV4-M04	0.260
0.09	0.25	0.25	0.37	0.55	0.63-1	13	1	EGV4-M05	0.260
0.18	0.37	0.37	0.37	0.75	1-1.6	22.5	1.6	EGV4-M06	0.260
0.37	0.75	0.75	1.1	1.5	1.6-2.5	33.5	2.5	EGV4-M07	0.260
0.55	1.1	1.5	1.5	2.2	2.5-4	51	4	EGV4-M08	0.260
1.1	2.2	2.2	3	4	4-6.3	78	6.3	EGV4-M10	0.260
1.5	3	4	4	5.5	6-10	138	9	EGV4-M14	0.260
2.2	5.5	5.5	7.5	9	9-14	170	13	EGV4-M16	0.260
4	7.5	7.5	9	15	13-18	223	17	EGV4-M20	0.260
5.5	9	11	11	18.5	17-23	327	21	EGV4-M21	0.260
5.5	11	11	15	22	20-25	327	23	EGV4-M22	0.260
7.5	15	15	18.5	22	24-32	416	30	EGV4-M32	0.260

Thermal-magnetic motor circuit-breakers EGV4-M with built-in auxiliary contact block

EGV4-ME series circuit breakers box

Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3					Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current le in (A)	Reference	Weight (kg)
220V 230V (kW)	400V 415V (kW)	440V (kW)	550V (kW)	690V (kW)					
-	-	-	-	-	0.1-0.16	1.5	0.16	EGV4-ME01	0.260
-	0.06	0.06	-	-	0.16-0.25	2.4	0.25	EGV4-ME02	0.260
0.06	0.09	0.09	-	-	0.25-0.40	5	0.40	EGV4-ME03	0.260
-	0.12	0.18	-	0.37	0.40-0.63	8	0.63	EGV4-ME04	0.260
0.09	0.25	0.25	0.37	0.55	0.63-1	13	1	EGV4-ME05	0.260
0.18	0.37	0.37	0.37	0.75	1-1.6	22.5	1.6	EGV4-ME06	0.260
0.37	0.75	0.75	1.1	1.5	1.6-2.5	33.5	2.5	EGV4-ME07	0.260
0.55	1.1	1.5	1.5	2.2	2.5-4	51	4	EGV4-ME08	0.260
1.1	2.2	2.2	3	4	4-6.3	78	6.3	EGV4-ME10	0.260
1.5	3	4	4	5.5	6-10	138	9	EGV4-ME14	0.260
2.2	5.5	5.5	7.5	9	9-14	170	13	EGV4-ME16	0.260
4	7.5	7.5	9	15	13-18	223	17	EGV4-ME20	0.260
5.5	9	11	11	18.5	17-23	327	21	EGV4-ME21	0.260
5.5	11	11	15	22	20-25	327	23	EGV4-ME22	0.260
7.5	15	15	18.5	22	24-32	416	30	EGV4-ME32	0.260

Thermal-magnetic motor circuit-breakers EGV4-ME with built-in auxiliary contact block



EGV4-M



EGV4-ME

EDZM0 motor protective circuit breaker

Application

EDZM0 Motor Protective Circuit Breaker is applicable for the circuit of Ac 50/60Hz, rated insulation voltage 750V, rated operating voltage up to 660V, rated operating current from 0.1A to 25A. It is used for protecting the motor against overload, short-circuit and phase-failure, It can be also used for starting and breaking the starter of motor and for the circuit protection in the circuit of 25A.

- Switching capacity 150/50KA/415V
- Short-circuit release, fixed setting to 14X I_n
- Single-phasing sensitive
- With screws or spring loaded terminals
- Comply with IEC/EN60947

Technical parameter

Standard power ratings of 3-phase motors 50/60Hz in category AC-3 (kW)	Setting range of thermal trips (A)	Norminal breaking capacity (A)	Thermal current I _e in (A)	Reference
-	0.1-0.16	100	0.16	EDZM0-01
0.06	0.16-0.25	100	0.25	EDZM0-02
0.09	0.25-0.4	100	0.4	EDZM0-03
0.12	0.4-0.63	100	0.63	EDZM0-04
0.25	0.63-1	100	1	EDZM0-05
0.55	1-1.6	100	1.6	EDZM0-06
0.75	1.6-2.5	100	2.5	EDZM0-07
1.5	2.5-4	100	4	EDZM0-08
2.2	4-6.3	100	6.3	EDZM0-10
3	6.3-10	100	6.6	EDZM0-14
4	6.3-10	100	10	EDZM0-16
5.5	10-16	50	16	EDZM0-20
7.5	10-16	50	16	EDZM0-21
9	16-20	50	20	EDZM0-22
12.5	20-25	50	25	EDZM0-32



EDZM0

E3RV series circuit breakers

Application

E3RV series circuit breakers are mainly used for the overload, short-circuit and phase-failure protection for motors in the circuit of AC 50/60Hz, rated operating voltage up to 660V, rated operating current from 0.11A to 25A. They can be also used for circuit protection in the circuit of 0.11A-25A.



E3RV10-11



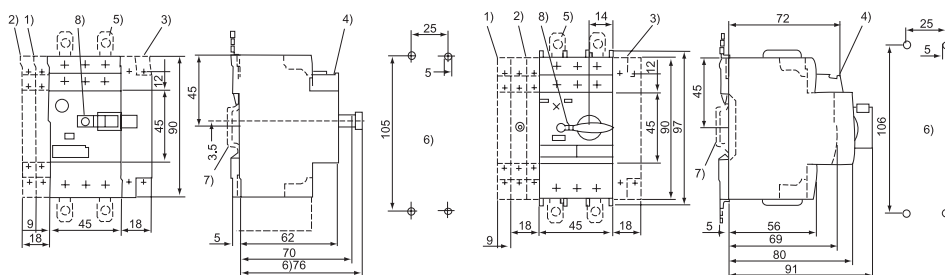
E3RV10-21

Standard power ratings of 3-phase motors 50/60Hz in category AC-3 (kW)	Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current I _e in (A)	Short circuit breaking capacity under the condition of AC 400V	Reference
0.04	0.11-0.16	2.1	0.16	100	E3RV10 11-0AA1.
0.06	0.14-0.2	2.6	0.2	100	E3RV10 11-0BA1.
0.06	0.18-0.25	3.3	0.25	100	E3RV10 11-0CA1.
0.09	0.22-0.32	4.2	0.32	100	E3RV10 11-0DA1.
0.09	0.28-0.4	5.2	0.4	100	E3RV10 11-0EA1.
0.12	0.35-0.5	6.5	0.5	100	E3RV10 11-0FA1.
0.18	0.45-0.63	8.2	0.63	100	E3RV10 11-0GA1.
0.18	0.55-0.8	10	0.8	100	E3RV10 11-0HA1.
0.25	0.7-1	13	1	100	E3RV10 11-0JA1.
0.37	0.9-1.25	16	1.25	100	E3RV10 11-0KA1.
0.55	1.1-1.6	21	1.6	100	E3RV10 11-1AA1.
0.75	1.4-2	26	2	100	E3RV10 11-1BA1.
0.75	1.8-2.5	33	2.5	100	E3RV10 11-1CA1.
1.1	2.2-3.2	42	3.2	100	E3RV10 11-1DA1.
1.5	2.8-4	52	4	100	E3RV10 11-1EA1.
1.5	3.5-5	65	5	100	E3RV10 11-1FA1.
2.2	4.5-6.3	82	6.3	100	E3RV10 11-1GA1.
3	5.5-8	104	8	50	E3RV10 11-1HA1.
4	7-10	130	10	50	E3RV10 11-1JA1.
5.5	9-12	156	12	50	E3RV10 11-1KA1.
0.04	0.11-0.16	2.1	0.16	100	E3RV10 21-0AA1.
0.06	0.14-0.2	2.6	0.2	100	E3RV10 21-0BA1.
0.06	0.18-0.25	3.3	0.25	100	E3RV10 21-0CA1.
0.09	0.22-0.32	4.2	0.32	100	E3RV10 21-0DA1.
0.09	0.28-0.4	5.2	0.4	100	E3RV10 21-0EA1.
0.12	0.35-0.5	6.5	0.5	100	E3RV10 21-0FA1.
0.18	0.45-0.63	8.2	0.63	100	E3RV10 21-0GA1.
0.18	0.55-0.8	10	0.8	100	E3RV10 21-0HA1.
0.25	0.7-1	13	1	100	E3RV10 21-0JA1.
0.37	0.9-1.25	16	1.25	100	E3RV10 21-0KA1.
0.55	1.1-1.6	21	1.6	100	E3RV10 21-1AA1.
0.75	1.4-2	26	2	100	E3RV10 21-1BA1.
0.75	1.8-2.5	33	2.5	100	E3RV10 21-1CA1.
1.1	2.2-3.2	42	3.2	100	E3RV10 21-1DA1.
1.5	2.8-4	52	4	100	E3RV10 21-1EA1.
1.5	3.5-5	65	5	100	E3RV10 21-1FA1.
2.2	4.5-6.3	82	6.3	100	E3RV10 21-1GA1.
3	5.5-8	104	8	100	E3RV10 21-1HA1.

Standard power ratings of 3-phase motors 50/60Hz in category AC-3 (kW)	Setting range of thermal trips (A)	Magnetic tripping current (A)	Thermal current I_e in (A)	Short circuit breaking capacity under the condition of AC 400V	Reference
4	7-10	130	10	100	E3RV10 21-1JA1
5.5	9-12.5	163	12.5	100	E3RV10 21-1KA1
7.5	11-16	208	16	50	E3RV10 21-4AA1
7.5	14-20	260	20	50	E3RV10 21-4BA1
11	17-22	286	22	50	E3RV10 21-4CA1
11	20-25	325	25	50	E3RV10 21-4DA1

The recommended data for four-phase standard electromotor under the condition of AC50Hz, 400V. What affects the product most is the factual starting data and rated data of the protected electromotor.

Dimension



E3RV10-11

E3RV10-21

1. 2-pole side supplementary switch;
2. Signal switch or 4-pole side supplementary switch;
3. Supplementary releaser;
4. Transverse supplementary contact;
5. Patching slice for screw installation;
6. Punching template;
7. 35mm standard installation guide way;
8. Lock the location of breaking the diameter of the staple is 3.5mm or 4.5mm.