plikc
Siamo di casa.

Automatic Control Motor Protector

SERIE SM

Rated insulation voltage Ui(V)			690			
Rated operational voltage Ue(V)			230/240, 400/415, 440, 500, 690			
Rated impulse withstand voltage Uimp(V)			8000			
Regulating rang of setting current (A)			0.1~0.16	0.16~0.25	0.25~0.4	0.4~0.63
Rated current of release			0.16	0.25	0.4	0.63
Rated ultimate short-circuit breaking capacity Icu(kA)	230/240V		100	100	100	100
	400/415V		100	100	100	100
	440V		100	100	100	100
	480/500V		100	100	100	100
	660/690V		100	100	100	100
Rated service short-circuit breaking capacity Ics(kA)	230/240V		100	100	100	100
	400/415V		100	100	100	100
	440V		100	100	100	100
	480/500V		100	100	100	100
	660/690V		100	100	100	100
Arcing distance (mm)			40	40	40	40
Standard rated power of three-phase motor (kW)	230/240V		-	-	-	-
	400V		-	-	-	-
	415V		-	-	-	-
	440V		-	-	-	-
	500V		-	-	-	-
	660/690V		-	-	-	0.37
Current setting value of instantaneous electromagnetic release Ir(A)			1.5	2.4	5	8
Current rating of fuse-link of back-up fuse, which is only needed in case of Icc>Icu (Icc: prospective short-circuit breaking current) ★: fuse is not required	230/240V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
	400/415V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
	440V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
	500V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
	690V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
Degree of protection			IP2L0	IP2L0	IP2L0	IP2L0

690					
230/240, 400/415, 440, 500, 690					
8000					
0.63~1	1~1.6	1.6~2.5	2.5~4	4~6.3	6~10
1	1.6	2.5	4	6.3	10
100	100	100	100	100	100
100	100	100	100	100	100
100	100	100	100	50	15
100	100	100	100	50	10
100	100	3	3	3	3
100	100	100	100	100	100
100	100	100	100	100	100
100	100	100	100	50	15
100	100	100	100	50	10
100	100	2.25	2.25	2.25	2.25
40	40	40	40	40	40
-	-	0.37	0.75	1.1	2.2
-	0.37	0.75	1.5	2.2	4
-	-	0.75	1.5	2.2	4
0.37	0.55	1.1	1.5	3	4
0.37	0.75	1.1	2.2	3.7	5.5
0.55	1.1	1.5	3	4	7.5
13	22.5	33.5	51	78	138
★	★	★	★	★	★
★	★	★	★	★	★
★	★	★	★	★	★
★	★	★	★	★	★
★	★	★	★	50	50
★	★	★	★	63	63
★	★	★	★	50	50
★	★	★	★	63	63
★	★	16	25	32	32
★	★	20	32	40	40
IP2L0	IP2L0	IP2L0	IP2L0	IP2L0	IP2L0

4. Technical data

4.1 Protection properties

Over-load Protection Properties

Series No.	Multiple of setting current	Initial status	Time		Expected results	Ambient temperature
1	1.05	Cold status	t⩾2h		Non-tripping	+20℃±2℃
2	1.20	Heat status (right after test.1)	t<2h		Tripping	+20℃±2℃
3	1.50	Heat status (right after test.1)	Tripping class	10A t<2min 10 t<4min	Tripping	+20℃±2℃
4	7.20	Cold status	Tripping class	10A 2s<t⩽10s 10 4s<t⩽10s	Tripping	+20℃±2℃

Phase failure protection properties

Series No.	Multiple of setting current		Initial status	Time	Expected results	Ambient temperature
	Any 2 phase	The other phase				
1	1.0	0.9	Cold status	t⩾2h	Non-tripping	+20℃±2℃
2	1.15	0	Heat status (right after test.1)	t<2h	Tripping	+20℃±2℃

Temperature compensation properties

Series No.	Multiple of setting current	Initial status	Time	Expected results	Ambient temperature
1	1.0	Cold status	t⩾2h	Non-tripping	+40℃±2℃
2	1.2	Heat status (right after test.1)	t<2h	Tripping	+40℃±2℃
3	1.05	Cold status	t⩾2h	Non-tripping	-5℃±2℃
4	1.3	Heat status (right after test.3)	t<2h	Tripping	-5℃±2℃

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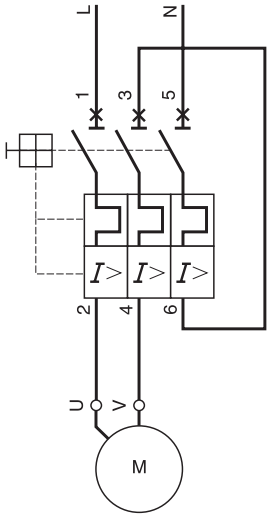

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