



MM504N ,1,1,1

Motor protection circuit breaker 3P 0.4-0.63A ; 0.09/0.12 kW at 230/415V

Technical properties	
Architecture	
Number of poles	3 P
Type of pole	3 P
Fixing mode	DIN rail type O (symmetrical)
Configuration	
Number of modules	2.5
Main electrical features	
Rated operational voltage Ue	690 V
Type of supply voltage	AC
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	690 V
Rated impulse withstand voltage	6000 V
Electric current	
Rated current	0.63 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	150 kA
Magnetic regulating currrent	12.4 / 15.5 / 18.6 In
Thermal trip setting with 30°	0.4 / 0.43 / 0.46 / 0.49 / 0.52 / 0.54 / 0.57 / 0.6 / 0.63 A

Rated current	0.63 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	150 kA
Magnetic regulating currrent	12.4 / 15.5 / 18.6 In
Thermal trip setting with 30°	0.4 / 0.43 / 0.46 / 0.49 / 0.52 / 0.54 / 0.57 / 0.6 / 0.63 A
Rating current 0°C according to IEC 60947	0.63 A
Rating current 10°C according to IEC 60947	0.63 A
Rating current 20°C according to IEC 60947	0.63 A
Rating current 30°C according to IEC 60947	0.63 A
Rating current 40°C according to IEC 60947	0.63 A
Rating current 50°C according to IEC 60947	0.63 A
Rated service breaking capacity Ics AC according IEC 60947-2	100 %
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	150 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	150 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	150 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	150 kA

Yes

Can be accessorized

Standards	
European directive RoHs	voluntary compliance
European directive WEEE	concerned
Safety	
Protection index IP	IP20
REACH conform	Yes
RoHS conform	Yes
Phase failure sensitive	Yes
Use conditions	
Operating temperature	-2555 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Storage/transport temperature	-2580 °C
temperatur	

30 °C

Temperature of calibration