

**EMT6 THERMISTOR MOTOR
PROTECTION RELAY**
066400



Overview

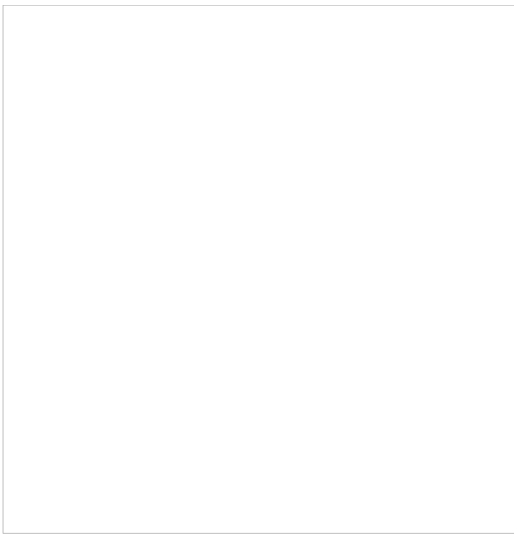


Specifications



Resources

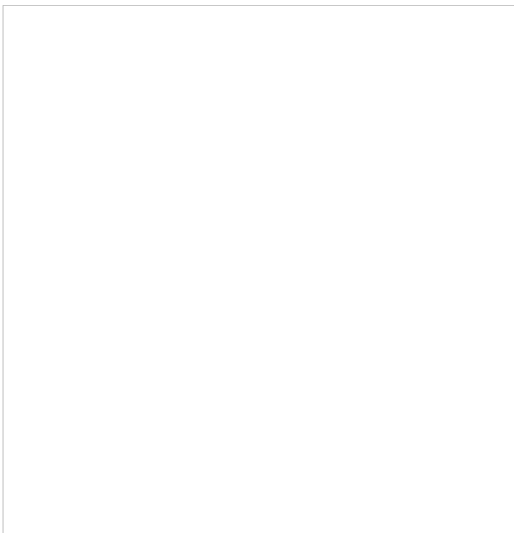
How to buy



066400

Eaton Moeller® series EMT6 Thermistor overload
230V50/60Hz, without lock

How to buy



GENERAL SPECIFICATIONS

General specifications	>	PRODUCT NAME	Eaton Moeller® series EMT6 Thermistor overload
		CATALOG NUMBER	066400
Product specifications	>	MODEL CODE	EMT6(230V)
		EAN	4015080664000
		PRODUCT LENGTH/DEPTH	103 mm
		PRODUCT HEIGHT	83 mm
		PRODUCT WIDTH	23 mm
		PRODUCT WEIGHT	0.153 kg
		CERTIFICATIONS	CSA File No.: 12528 UL 508 IEC/EN 60947 CSA Class No.: 3211-03 UL Category Control No.: NKCR CSA-C22.2 No. 14 IEC/EN 61000-4-3 UL UL File No.: E29184 CE IEC/EN 61000-4-2 EN 55011 IEC/EN 60947-8 VDE 0660 CSA

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	25 °C
RESISTANCE MEASURING RANGE - MAX	12000 Ω
OPERATING VOLTAGE AT AC, 50 HZ - MAX	230 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	230 V
RESET RESISTANCE	1600 Ω
TEMPERATURE MEASURING RANGE - MIN	0 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	45 °C
TEMPERATURE MEASURING RANGE - MAX	0 °C
AMBIENT STORAGE TEMPERATURE - MIN	45 °C

AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
RATED CONTROL SUPPLY VOLTAGE(US) AT DC - MIN	0 V
SURGERATING	According to IEC/EN 61000-4-5, power pulses (Surge), 2 kV, symmetrical, power pulses (Surge), EMC 4 kV, asymmetrical, power pulses (Surge), EMC
TRIP RESISTANCE	3600 Ω
RATED CONTROL SUPPLY VOLTAGE(US) AT AC, 50 HZ - MAX	230 V
SCREW SIZE	M3.5, Terminal screw
IMMUNITY TO LINE-CONDUCTED INTERFERENCE	10 V (according to IEC/EN 61000-4-6)
PROTECTION	Finger and back-of-hand proof, Protection against direct actuated from front (EN 50274)
CONTACT DISCHARGE	6 kV
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	1.5 W
RATED CONTROL SUPPLY VOLTAGE(US) AT DC - MAX	0 V
VOLTAGE RATING - MAX	600 V
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
SUPPLY VOLTAGE AT AC, 60 HZ - MAX	230 V
SAFE ISOLATION	250 V AC, Between the contacts, According to EN 60950-1 250 V AC, Between the contacts and power supply, According to EN 61140
MOUNTING POSITION	As required
OPERATING VOLTAGE AT AC, 50 HZ - MIN	230 V
ELECTRIC CONNECTION TYPE	Screw connection
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
VOLTAGE TYPE	AC
PRODUCT CATEGORY	EMT6 thermistor overload relay for machine protection
SUPPLY VOLTAGE AT AC, 60 HZ - MIN	230 V
RADIO INTERFERENCE CLASS	Class B (EN 55011)
	20 - 14 AWG, solid or stranded

TERMINAL CAPACITY	2 x (0.5 - 1.5) mm ² , solid 2 x (0.5 - 1.5) mm ² , flexible with ferrule 1 x (0.5 - 2.5) mm ² , solid 1 x (0.5 - 2.5) mm ² , flexible with ferrule
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	3 A at AC-14, 380 V 400 V 415 V (NC) 1 A at AC-15, 380 V 400 V 415 V (NC) 3 A at AC-14, 300 V (NC) 3 A at AC-15, 220 V 230 V 240 V (NO) 1 A at AC-15, 300 V (NC) 3 A at AC-14, 380 V 400 V 415 V (NO) 1 A at AC-15, 380 V 400 V 415 V (NO) 3 A at AC-15, 220 V 230 V 240 V (NC) 3 A at AC-14, 400 V (NC) 3 A at AC-15, 220 V 230 V 240 V 3 A at AC-14, 300 V (NO) 1 A at AC-15, 300 V (NO)
RATED SWITCH CURRENT	6 A
PICK-UP VOLTAGE	0.85 - 1.1 V x U _c
AIR DISCHARGE	8 kV
CONNECTION TYPE (AUXILIARY CIRCUIT)	Screw connection
POWER CONSUMPTION	2 W at DC 3.5 VA at AC
VOLTAGE TYPE OF SUPPLY VOLTAGE	AC
ELECTROMAGNETIC FIELDS	10 V/m at 80 - 1000 MHz (according to IEC EN 61000-4-3) 3 V/m at 1.4 - 2 GHz (according to IEC EN 61000-4-3) 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 61000-4-3)
CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN)	6 A
OPERATING VOLTAGE AT AC, 60 HZ - MAX	230 V
DEGREE OF PROTECTION	IP20
OVERVOLTAGE CATEGORY	III
SUPPLY VOLTAGE AT AC, 50 HZ - MIN	230 V
NUMBER OF MEASURING CIRCUITS	1
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
VOLTAGE TYPE OF OPERATING VOLTAGE	AC
POLLUTION DEGREE	3
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	230 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC 4000 V AC

SUPPLY VOLTAGE AT AC, 50 HZ - MAX	230 V
FUNCTIONS	Notifications of mains and faults via LED display Test function via separate button
RESISTANCE MEASURING RANGE - MIN	750 Ω
OPERATING VOLTAGE AT AC, 60 HZ - MIN	230 V
TIGHTENING TORQUE	1.2 Nm, Screw terminals
SCREWDRIVER SIZE	2, Terminal screw, Pozidriv screwdriver 1 x 6 mm, Terminal screw, Standard screwdriver
BURST IMPULSE	2 kV, Supply cable According to IEC/EN 61000-4-4 1 kV, Signal cable
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	230 V
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
SHORT-CIRCUIT PROTECTION RATING	Max. 6 A gG/gL, Fuse, Contacts
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
SHOCK RESISTANCE	10 g, Mechanical, according to IEC/EN 60068-2-27 shock 10 ms
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED INSULATION VOLTAGE (UI)	400 V

Brochures

Certification reports

Characteristic curve

Drawings

eCAD model

Installation instructions

Manuals and user guides

mCAD model

Wiring diagrams

066400



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.