

XTMC Miniature Contactor



Miniature Controls

Product Description

Eaton's new line of **XT** miniature controls includes non-reversing and reversing mini contactors, mini overload relays and snap-on accessories. A wide range of applications is possible, including small electrical motors from fractional to 5 hp (460 Vac) or up to 4 kW (400 Vac).

Application Description

Due to its compact size, the **XT** line of mini controls is best suited to be applied in light-duty loads, such as hoisting, packaging, material handling, heating, lighting and automation systems. **XT** mini contactors are a particularly compact, economic and environmentally friendly solution wherever control of small motors or loads is required.


Features

Mini Contactors—Types XTMC and XTMF, 6–9A

- AC control from 12V to 550V 50 Hz, 600V 60 Hz
- DC control from 12V to 220V
- Reversing or non-reversing
- Three- and four-pole configurations
 - Three-pole XTMC
 - Four-pole XTMF
- Panel or DIN rail mounting
- IP20 finger and back-of-hand proof
- Low noise operation
- High degree of climatic proofing
- Large ambient temperature range –25° to 50°C [–13° to 122°F]

Contents

Description

	<i>Page</i>
Relays and Timers	V5-T1-3
Miniature Controls	
Catalog Number Selection	V5-T1-19
Product Selection	V5-T1-20
Accessories	V5-T1-24
Technical Data and Specifications	V5-T1-27
Wiring Diagrams	V5-T1-32
Dimensions	V5-T1-34
	
Contactors and Starters	V5-T1-35
Thermal Overload Relays	V5-T1-128
C440/ XT Electronic Overload Relay	V5-T1-141
Manual Motor Protectors	V5-T1-157
Combination Motor Controllers	V5-T1-193
XT Electronic Manual Motor Protector	V5-T1-216
Reference Data	V5-T1-229

Standards and Certifications

- IEC EN 60947
- CE approved
- UL
- CSA
- CCC
- ATEX



Product Selection

Full Voltage Non-Reversing Miniature Contactors

XTMC_



Maximum UL Ratings—Single-Phase and Three-Phase

Horsepower Ratings

Single-Phase			Three-Phase				Number of Power Poles	Auxiliary Contacts	Screw Terminal Catalog Number ^①
115V	200V	230V	200V	230V	460V	575V			
1/4	3/4	1	1-1/2	2	3	3	3	1NO	XTMC6A10_
1/4	3/4	1	1-1/2	2	3	3	3	1NC	XTMC6A01_
1/2	1	1-1/2	2	3	5	5	3	1NO	XTMC9A10_
1/2	1	1-1/2	2	3	5	5	3	1NC	XTMC9A01_
1/2	1	1-1/2	2	3	5	5	4	—	XTMF9A00_

Maximum IEC Ratings AC-3

Operational Current AC-3 Amp Rating 380/400V	Conventional Free Air Thermal Current AC-1 at 50°C	Three-Phase Motors 50–60 Hz				Number of Power Poles	Auxiliary Contacts	Screw Terminal Catalog Number ^①
		220– 240V	380– 400V	550V	660/ 690V			
6.6	20	1.5	3	3	3	3	1NO	XTMC6A10_
6.6	20	1.5	3	3	3	3	1NC	XTMC6A01_
8.8	20	2.2	4	4	4	3	1NO	XTMC9A10_
8.8	20	2.2	4	4	4	3	1NC	XTMC9A01_
8.8	20	2.2	4	4	4	4	—	XTMF9A00_

Magnet Coil Suffix

Coil Voltage	Suffix Code	Coil Voltage	Suffix Code	Coil Voltage	Suffix Code	Coil Voltage	Suffix Code
110V 50 Hz, 120V 60 Hz	A	415V 50 Hz, 480V 60 Hz	C	380V 60 Hz	P	120 Vdc	AD
220V 50 Hz, 240V 60 Hz	B	550V 50 Hz, 600V 60 Hz	D ^③	12V 50/60 Hz	R ^③	220 Vdc	BD
230V 50 Hz	F	208V 60 Hz	E	42V 50 Hz, 48V 60 Hz	W	12 Vdc	RD
24V 50/60 Hz	T	190V 50 Hz, 220V 60 Hz	G	48V 50 Hz	Y	48 Vdc	WD
24 Vdc	TD ^②	240V 50 Hz, 277V 60 Hz	H	—	—	—	—
—	—	380V 50 Hz, 440V 60 Hz	L	—	—	—	—

Notes

IEC Utilization Categories, see **Page V5-T1-242**.

AC-1: Non-inductive or slightly inductive loads.

AC-3: Squirrel cage motors—starting, switching of motors during running.

AC-4: Squirrel cage motors—starting, plugging, inching.

① Underscore (_) indicates magnetic coil suffix required.

② With DC operation: Integrated diode resistor combination, coil rating 2.6W.

③ XTMF four-pole contactor not available with “D” or “R” coil voltage suffix.