

MX MICRO



MICRO TYPE: MICRO 3 POLE

A MINIATURE TRIPLE POLE PULSE OPERATED CONTACTOR MAKING IT PARTICULARLY SUITABLE FOR OEM APPLICATIONS WHERE SPACE AND POWER CONSUMPTION ARE IMPORTANT CONSTRAINTS..

FEATURES

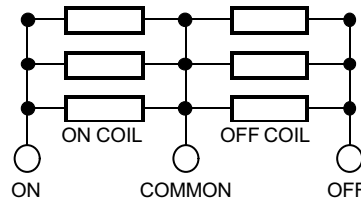


- Triple pole 100A & 200A AC loads
- Dual coil - pulse On and pulse Off
- Overcurrent performance to IEC1036/7/8
- More than 1 million off-load operations
- Customer specified terminal arrangements
- Symmetrical 35mm DIN rail mounting
- Coil to load circuit isolation exceeds 4kV
- Brass terminals tapped M6 as standard
- Manufactured in UL94V0 rated materials
- Patented design : Pat no. 2202378

Custom designs can be developed to meet particular applications. Details on request.

CONTROL CIRCUIT

The dual coil design is operated by connecting the COMMON terminal to the POSITIVE supply and momentarily the ON coil to NEGATIVE to close the main contacts, the OFF coil to NEGATIVE to open again. A common negative supply can be used and the coils will then operate in the opposite manner - i.e. the ON coil will open the contacts.



SPECIFICATION

The below list is not exhaustive and designs with alternative coil voltages, main terminal configurations etc. can be readily manufactured to meet specific customer requirements.

ORDERING EXAMPLE

CONTACT RATING		Triple pole MX Micro	MXTP	100	/24	FL7P	G	MECHANICAL GANGING	
100A resistive, 30A lighting	100							Mechanically Interlocked	G
								None	No entry
COIL VOLTAGES								CONTROL	
5V DC pulse	5							Flying lead extending 'n' inches	FLn
12V DC pulse	12							As above but with plug fitted	FLnP
24V dc pulse	24								

Example shown: Triple pole MX micro for a 100A resistive load with 24V dc coil operation, 7" flying lead with Molex plug and mechanically ganged

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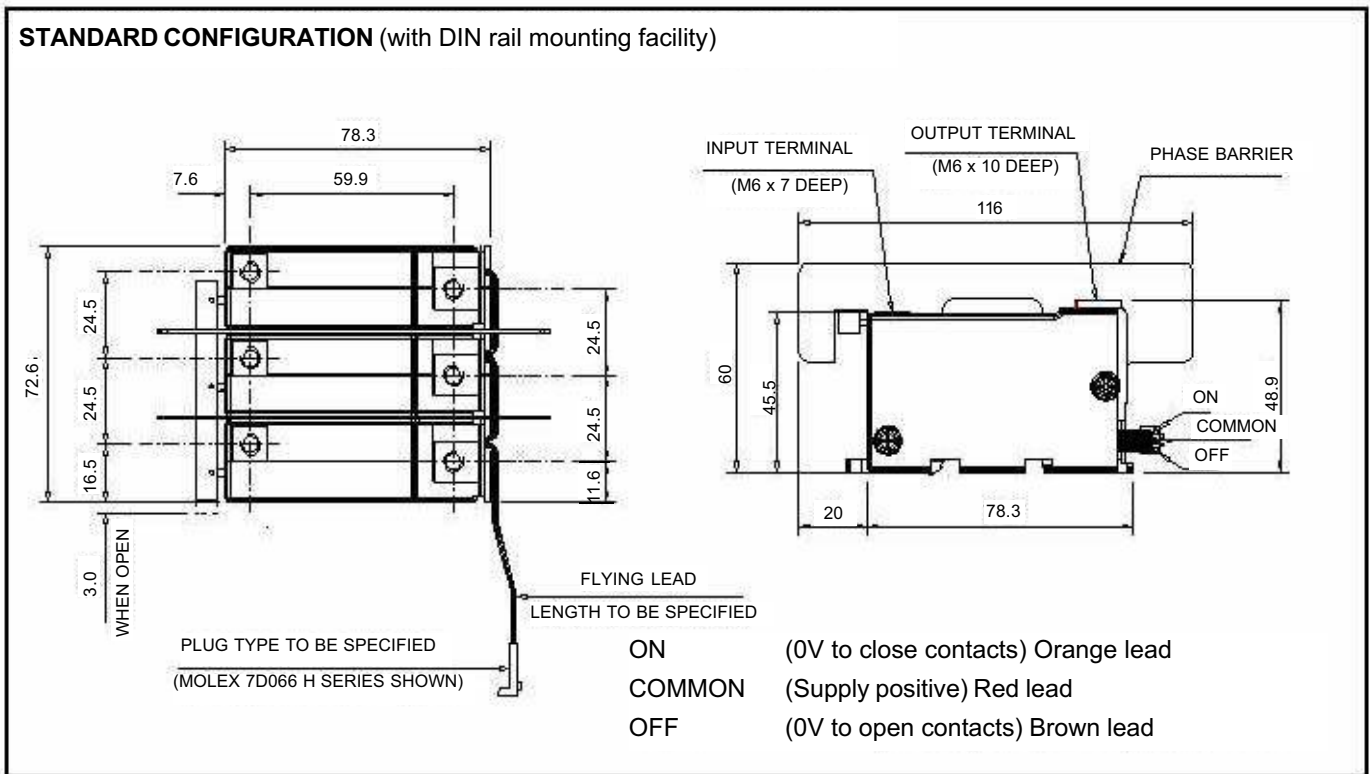
SPECIFICATION

OPERATING VOLTAGE		
MIN : 60ms pulse, 75% of Rated Voltage		
MAX : 1s Pulse, 200% of Rated Voltage Recommended: 100ms or 1200mJ Pulse		
CONTACT RATING at 250V 50/60Hz		
TYPE	HEATING (AC1)	LIGHTING
100	25,000 ops at 100A	25,000 ops at 30A
CONTACT RESISTANCE : <600		
MECHANICAL LIFE		
Electrical Operations		>10 ⁶
Hand Lever Operations		>10 ³

SHORT CIRCUIT (with 100A BS1361 Fuse)
3 Shots 3kA 0.8 p.f. : Still Operational
3 Shots 7kA 0.5 p.f. : No External Damage As defined within IEC1037/8
ISOLATION VOLTAGES
Coil To Load Circuit > 4kV r/m/s/ 50Hz Across Open Contacts > 1kV r.m.s. 50Hz
FLAMMABILITY : All materials UL94V0
RECOMMENDED TIGHTENING TORQUE
For main M6 terminals : 6Nm
AMBIENT TEMPERATURE RANGES
Operate : -10 to +90°C. Storage : -20 to +100°C

OUTLINE DIMENSIONS (mm)

TOLERANCE 0.2mm unless stated



RELATED PRODUCTS

Enbray has a well established name for reliable electrical load management and manufactures a wide range of load switching devices ranging from miniture pulse operated devices up to 1250A fully automatic changeover systems.

Specific customer requested configurations can be produced which are supplied with all control wiring in place and therefore require the minimum of installation time. These include Safety Contactors, Emergency Changeover Systems, Multipole Contactors, Contactors with normally closed main poles etc. Details available on request.