

Motor Protection Circuit Breakers and Motor Circuit Protectors

Short Circuit and Motor Overload Protection

140MT Features and Benefits

- Extended current range for more applications:
 - 140MT-C up to 32A
 - 140MT-D up to 40A
- Improved thermal performance reducing heat loss
- Protection and Control functions:
 - Overload protection
 - High short circuit protection
 - Disconnect function
 - Phase loss protection
- Addresses specialized applications:
 - Variable-frequency drive (VFD) in multi-motor applications (140MT-D9V)
 - High-efficiency/high-inrush motor protection (140MT-D9T)
 - Motor circuit protector option for three-component starters (140MT-D9N)
- UL Tap conductor protection ratings allows smaller conductors in group motor installations, reducing installed cost
- Self-protected (Type E) combination motor controller ratings eliminate need for separate branch circuit protection
- Provides easy documentation with SCCR tool, certifying combination testing with 100-E, 100-C and 100-K contactors

140MP Features and Benefits

- Protection and Control functions:
 - Overload protection
 - High short circuit protection
 - Disconnect function
 - Phase loss protection
- Suitable for three- and single-phase application
- UL group motor and IEC Type 1 and Type 2 ratings
- CE, cULus, CCC, KC, EAC Certification
- Interrupting rating @ 400 V: up to 100 kA



140MT-DN9
Motor Circuit Protector



140MT-C3E
Motor Protection Circuit Breaker



140MT-A3E
Motor Protection Circuit Breaker

Rockwell Automation offers two tiers of motor protection circuit breakers.

The Bulletin 140MP line of motor protection circuit breakers offer the most used features, cost-effectively. Bulletin 140MP provide magnetic short circuit and thermal overload protection up to 32 A.

Bulletin 140MT products offer enhanced ratings that enable assembled starters to be applied without additional branch circuit protection. Tap conductor protection ratings can save you money by allowing the use of smaller wires in group motor installations. Bulletin 140MT products are available as motor circuit protectors for three-component starters and motor protection circuit breakers for two-component starters.

Special versions of 140MT meet specific application requirements. Examples include the 140MT-D9V for application at the output of a variable-frequency drive (VFD) in multi-motor applications and the 140MT-D9T, suitable for protection of high efficiency motors with high inrush.

All Bulletin 140 products are available with connectors to enable direct wiring to Bulletin 100-K/C/E contactors.

Motor Protection Circuit Breakers and Protectors

Product Range



	Bulletin 140MP-A	Bulletin 140MT-C	Bulletin 140MT-D	Bulletin 140M-F
Frame size		C-Frame	D-Frame	F-Frame
Max. current I_e	32 A	32 A	40 A	45 A
Current rating	0.1...32 A	0.1...32 A	0.4...40 A	6.3...45 A
Short-circuit protection	●	●	●	●
Standard magnetic trip	●	●	140MT-D9E	140MT-F8E
High magnetic trip			140MT-D9T	140MT-F8T
Magnetic-only trip (motor circuit protection [MCP])			140MT-D9N	140MT-F8N
Overload protection	●	●	●	●
Trip class	10 A	10	10	10
Phase loss sensitivity	●	●	●	●
Variable-frequency drive (VFD) downstream compatible			140MT-D9V...	●
Tap conductor protection		●	●	●
Manual self-protected combination motor controller (Type E)		●	●	●
UL 60947-4-1, CSA C22.2, No. 60947-4-1 ⁽¹⁾	●	●	●	●
IEC/EN 60947-2, IEC/ EN 60947-4-1	●	●	●	●
CE	●	●	●	●
ATEX		●	● ⁽²⁾	
IECEx		●	● ⁽²⁾	
EAC	●	●	●	●
CCC	●	●	●	●
KC	●			
CB scheme	●	●	●	●

⁽¹⁾ Consult publication 140-TD006 for additional information.

⁽²⁾ Does not apply to Cat. No. 140MT-D9N...devices.

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