



Catálogo #: 150-F317NBD

Mais vendido

Controlador de motor inteligente SMC Flex

Status do ciclo de vida: ATIVO

Especificações técnicas

Elétrico

Com display	Sim
Tipo de tensão para acionamento	Corrente alternada
Tensão nominal de operação Ue	200 V
Tensão nominal de alimentação de controle em CA 50 Hz	100 V
Tensão nominal de alimentação de controle em CA 60 Hz	100 V
Corrente de sobrecarga para dispositivos conectados à linha	106 UMA
Corrente de sobrecarga para dispositivos conectados delta	183 UMA
Tipo de controlador	Partida suave
Opções de controle	Nenhum
Classes de viagem	10, 15, 20 e 30
Classificação atual de disparo	117% do motor FLC
Módulo de controle do transformador	75VA @ 100...240V AC (-15%, +10%)
Classificação do ventilador do dissipador de calor	60VA @ 110/120V AC ou 220/240V AC
Proteção DV/DT	Rede de amortecimento RC para circuito de energia
Classificação de tensão inversa de pico repetitivo	1400V por UL/CSA/NEMA para circuito de alimentação

Frequência de operação	50/60 Hz para circuito de alimentação
Potência do motor conectado em linha, máx.	90 kW @ 230V AC, 50 Hz, trifásico
Potência do motor conectado ao delta, máx.	500 hp @ 575V AC, 60 Hz, trifásico
Tensão nominal de impulso	6000V por IEC para circuito de alimentação
Resistência dielétrica	2500V por IEC para circuito de alimentação
Corrente do motor conectado à linha	106...317 A @ 600/Y/690V AC, trifásica
Corrente do motor conectada ao delta	183...549 A @ 500/575V AC, trifásica
Ampère testado estilo europeu, máx.	6,9 gRB 73xxx800 6,6URD33xxx900 @ 690V para FLC máximo
Ampère testado estilo norte-americano, máx.	A070URD33xxx900 @ 690V para FLC máximo
Proteção transitória	Varistores de óxido metálico: 220 Joules (opcional) para circuito de potência
Tensão de isolamento	Avaliado 500V por IEC para circuito de alimentação
Tensão operacional nominal	200...480V AC (-15%, +10%) por UL/CSA/NEMA para circuito de alimentação
Corrente de estado desligado de entrada	<10 mA AC, <3 mA DC para circuito de controle @ entrada de tensão de estado desligado
Short-circuit protection device list	Standard fuse, circuit breaker and high capacity time delay class CC/J/L
Number of contacts	1 for auxiliary contacts
High capacity available fault current, max	69 kA @ 600V, maximum current 500 A time delay Class J or Class L fuse for line connected motors
Type of current	AC for auxiliary contacts
Conventional thermal current (Ith)	AC/DC: 5 A for auxiliary contacts
Type of control circuit	Electromagnetic relay for auxiliary contacts
Type of contacts	Programmable NO/NC for auxiliary contacts
Utilization category	MG 1 per UL/CSA/NEMA for power circuit
Standard controller feature	Status indication: stopped, starting, stopping, at speed, alarm and fault
Standard available fault current, max	70 kA @ 690V for maximum FLC
Optional controller feature	SMB smart motor braking control: provides motor braking without additional equipment for applications that require the motor to stop quickly, braking current is adjustable from 0...400% of the motor's full-load current rating
Integrated motor overload protection	Sim
Short circuit protection device performance (SCPD) type	Type 1
Number of sensors, max	6 for PTC input ratings

Inrush current control module	5 A @ 24V DC (-15%, +10%)
Voltage at PTC terminals (RPTC = open), max	30V for PTC input ratings
Transient watts control module	60 W @ 24V DC (-15%, +10%)
Steady state watts control module	24 W @ 24V DC (-15%, +10%)
Voltage at PTC terminals (RPTC = 4 k Ω), max	<7.5 for PTC input ratings
Response time	800 ms for PTC input ratings
Inrush time control module	250 ms @ 24V DC (-15%, +10%)
Transient time control module	500 ms @ 24V DC (-15%, +10%)
Cold resistance of PTC sensor chain, max	1500 Ohm for PTC input ratings
Tachometer input	0...5V DC, 4.5V DC = 100% Speed
Allen bradley power supply control module, min	1606-XLP50E @ 24V DC (-15%, +10%)
Short circuit trip resistance	25 Ohm $\pm$ 10 Ohm for PTC input ratings
Response resistance	3400 Ohm $\pm$ 150 Ohm for PTC input ratings
Reset resistance	1600 Ohm $\pm$ 100 Ohm for PTC input ratings
Input OFF-state voltage, max	50V AC, 10V DC/12V AC for control circuit
Input ON-state voltage, min	85V AC, 19.2V DC/20.4V AC for control circuit
Rated operational current	3 A @ 120V AC, 1.5 A @ 240V AC for auxiliary contacts
Input ON-state current	20 mA @ 120V AC/40mA @ 240V AC, 7.6 mA @ 24V AC/DC for control circuit
Contact type	auxiliary contacts 19/20 (Aux #1), 29/30 (Aux #2), 31/32 (Aux #3) and 33/34 (Aux #4)

Environmental

Steady state heat dissipation with control and fan power	225 W
Storage and transportation temperature	-20 °C
Humidity	5...95% (noncondensing)
Operating temperature	Open: -5 to 50 °C (23 to 122 °F)
Protection against electrical shock	IP2X (with terminal covers) per IEC for power circuit
EMC emission levels	Radiated emission: Class A
EMC immunity levels	Surge transient: per EN/IEC 60947-4-2
Altitude	2000 m
Pollution degree	2

Mechanical

Weight	45.8 kg
Shock	Operational: 5.5 G
Width	290 mm (11.42 inch)
Depth	276.5 mm (10.89 inch)
Height	600 mm (23.62 inch)
Power pole construction	Heatsink hockey puck thyristor modular design
Vibration	Operational: 1.0 G peak, 0.15 mm (0.006 inch) displacement
Make	3600VA for auxiliary contacts
Break	360VA for auxiliary contacts
Internal bypass	Yes
Function	Single direction
Power terminal markings	NEMA, CENELEC EN50 012
Control terminals	Clamping yoke connection, M3 screw clamp

Construction

Line/load side power terminals	Two M12 x 1.75 diameter holes per power pole
Number of poles	3
Enclosure	Open type
Control modules construction	Thermoset and thermoplastic moldings
Metal parts construction	Plated brass, copper or painted steel

Certifications

- China CCC
- Eurasian Economic Community
- Australian RCM

This product was certified with the above certifications as of 2024-08-28. Products sold before or after this date might carry different certifications. Please review the product label to check for the certifications your specific product carries.

