AUTOMATION TRADER

3VA1180-3EF32-0AH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	3va1180-3ef32-0ah0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	3VA1180-3EF32-0AH0
Product Type	Molded Case Circuit Breaker
Rated Permanent Current (Iu)	80 A
Rated Short-Circuit Breaking Capacity (Icu)	25 kA at 415 V
Trip Unit	Thermal-Magnetic (TM240)
Overload Release Current (Ir)	56 A to 80 A
Short-Circuit Protection (Ii)	5 to 10 times rated current
Rated Insulation Voltage (Ui)	800 V
Maximum Rated Operational Voltage (AC)	690 V
Maximum Rated Operational Voltage (DC)	500 V
Power Loss	19.2 W

Description

The Siemens 3VA1180-3EF32-0AH0 is a three-pole molded case circuit breaker from the SENTRON 3VA series, designed for line protection in industrial applications. It features a rated permanent current (Iu) of 80 A and a rated short-circuit breaking capacity (Icu) of 25 kA at 415 V, ensuring

reliable protection against overloads and short circuits.

The circuit breaker is equipped with a thermal-magnetic trip unit (TM240) with adjustable overload release current settings (Ir) ranging from 56 A to 80 A and short-circuit protection (Ii) adjustable between 5 to 10 times the rated current.

It operates at a rated insulation voltage (Ui) of 800 V and a maximum rated operational voltage (Ue) of 690 V for AC and 500 V for DC systems. The device has a power loss of 19.2 W and a mechanical service life of approximately 15,000 operating cycles.

Its compact dimensions (W x H x D) are 3 x 5.1 x 3.5 inches, making it suitable for various industrial environments. This circuit breaker is ideal for applications requiring robust protection against electrical faults, ensuring operational safety and equipment longevity.