SENTRON VL

Product Data Sheet

3VL9300-3ME10

Motorized circuit-breaker operating mechanism

CONTROL SUPPLY	CONTROL VOLTAGE FACTOR	AC SUPPLY FREQUENCY	TYPICAL MAKE TIME
220 to 250 V AC/DC	**0.85 to 1.10 x rated voltage**	**50/60 Hz**	**1 s**

Siemens 3VL9300-3ME10 is a motorized operating mechanism for SENTRON VL160 and VL250 circuit breakers. It enables electrical operation of the breaker mechanism from a 220-250 V AC or DC control supply, complementing the mechanical breaker installation.

01 TECHNICAL DATA

Control supply	220 to 250 V AC/DC
Control voltage factor	0.85 to 1.10 x rated voltage
AC supply frequency	50/60 Hz
Typical make time	1 s
Typical break time	1 s
Minimum command pulse	50 ms
Maximum operating frequency	120 operations/h
Operating apparent power	100 VA
External fuse	2 A gL/gG NEOZED
Alternative circuit protection	2 A, C-characteristic MCB

02 ADDITIONAL PRODUCT DATA

Ingress protection	IP30
Conductor cross-section	1.5 mm²
Wire stripping length	9 mm
Operating temperature	-25 to +70 °C
Storage temperature	-40 to +80 °C

03 PRODUCT FUNCTION

Typical make and break times are one second, with a minimum command pulse of 50 ms and a maximum operating frequency of 120 operations per hour. The mechanism has IP30 protection, consumes 100 VA during operation and connects through 1.5 mm² conductors with a 9 mm stripping length.

04 SYSTEM COMPATIBILITY

Provide a 220-250 V AC/DC control circuit within the 0.85-1.10 rated-voltage factor. Protect the auxiliary supply using the specified 2 A gL/gG fuse or 2 A C-characteristic miniature circuit breaker, and account for the 100 VA operating load.

05 DOCUMENT BASIS

Siemens manufacturer documentation. Selected source pages: 1, 2, 3.

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