

SIEMENS

Low-Voltage Controls & Protection Technology

3RV2011-1HA10

SIRIUS 3RV2 Motor Starter Protector

Circuit Breaker for Motor Protection — Size S00, CLASS 10

The Siemens 3RV2011-1HA10 is a SIRIUS 3RV2 motor starter protector / circuit breaker for protecting motors against overload and short circuit conditions. It is a 3-pole, size S00 device with an adjustable overload release range of 5.5 to 8 A, screw terminals and standard switching capacity.

Lifecycle	PM300 — Active Product
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Technical Specifications

Parameter	Specification
Article number (MLFB)	3RV2011-1HA10
Product family	SIRIUS 3RV2 motor starter protectors
Device type	Motor protection circuit breaker / motor starter protector
Size	S00
Number of main poles	3
Trip class	CLASS 10
Adjustable overload release	5.5 ... 8 A
Instantaneous short-circuit release	104 A
Main circuit voltage	20 ... 690 V AC
Rated frequency	50 ... 60 Hz
Rated insulation voltage Ui	690 V
Rated impulse withstand voltage Uimp	6 kV
Connection	Screw terminal
Standard switching capacity	Standard switching capacity version
Auxiliary contact extension	Available
Power loss at rated current, hot state	9.25 W total; approx. 3.1 W per pole
Mechanical endurance	Typically 100,000 operating cycles
Electrical endurance	Typically 100,000 operating cycles
Shock resistance	25 g / 11 ms
Ambient temperature, operation	−20 ... +60 °C
Ambient temperature, storage	−50 ... +80 °C
Ambient temperature, transport	−50 ... +80 °C
Relative humidity, operation	10 ... 95 %
Maximum installation altitude	2,000 m above sea level
Net weight	Approx. 0.349 kg
Country of origin	Germany
EAN	4011209712485
UPC	662643924077
Commodity code	85362010

Parameter	Specification
RoHS	Compliant; substance restriction compliance since 01 Oct 2009

Functional Principle

The 3RV2 combines thermal overload protection and instantaneous magnetic short-circuit protection in a compact motor-protection device. The thermal element responds to sustained overcurrent and protects the motor against excessive heating. The magnetic release responds rapidly to high fault currents and disconnects the motor circuit. The device can be combined with compatible SIRIUS contactors to form a coordinated motor starter.

Application & Selection Notes

The 5.5–8 A setting range must be selected according to the motor rated current shown on the motor nameplate and the applicable coordination / installation requirements. The 104 A instantaneous release is a short-circuit protection threshold and must not be confused with the adjustable overload setting. Check the required short-circuit coordination, prospective fault current, contactor combination and local standards before final engineering.

Product Identification

Brand: Siemens SIRIUS
Series: 3RV2
Article number: 3RV2011-1HA10
Device: Motor starter protector / circuit breaker
Frame size: S00
Overload range: 5.5–8 A
Trip class: CLASS 10
Connection: Screw terminal

Primary Siemens References

- Siemens Industry Mall — 3RV2011-1HA10
- Siemens official technical data sheet
- Siemens technical product data / Industry Mall

Document note: This is an independently compiled English technical datasheet based on Siemens official product data. It is not a Siemens-issued publication. Specifications may change with product revision or catalog update; Siemens documentation is the controlling reference for procurement, engineering and compliance.