Product Research Report: Siemens SIRIUS 3RT1065-6AF36 Contactor

1. Product Name

Siemens SIRIUS 3RT1065-6AF36

2. SEO Keywords

- Siemens 3RT1065-6AF36 contactor
- SIRIUS 3RT1 S10 contactor 115A
- Siemens 110V AC contactor
- 3-pole IEC contactor 55kW
- Siemens motor contactor S10
- 3RT1065 contactor datasheet
- Siemens industrial contactor 200A AC-1
- 3RT1 series high-power contactor

3. Category

[new] Contactor → Siemens → SIRIUS 3RT1

4. Product Introduction

Series#: Contactor → Siemens → SIRIUS 3RT1
- Siemens SIRIUS 3RT1065-6AF36 Contactor
- We have large inventory for Siemens SIRIUS 3RT1 Contactors, 3RT10 contactors and related accessories.
- 100% Original and new,In stock by Eaton Company.
- Delivery time: Ready in stock and 1 days for ship out
- MOQ: 1pcs

5. Brand & Model

model：3RT1065-6AF36
brand：Siemens

6. Service & Applications

The Siemens SIRIUS 3RT1065-6AF36 is a high-power 3-pole contactor from the SIRIUS 3RT1 series, size S10 (100 A frame). It delivers a rated operational current of 115 A at 400 V AC-3 (55 kW motor power) and up to 110 kW at 690 V. For AC-1 resistive loads, it handles 200–250 A. The coil operates at 110 V AC 50 Hz / 120 V AC 60 Hz with an inrush power of approximately 700 VA and holding power of 14 VA. Rated insulation voltage is 1000 V with an impulse withstand of 8 kV. Mechanical endurance reaches 10 million cycles and electrical endurance at AC-3 is approximately 1.5 million operations. Dimensions are approximately 90 × 175 × 135 mm and weight is approximately 3.1 kg. Typical applications include motor starting and control for large pumps, compressors, crushers, HVAC chillers, industrial fans, conveyors, and heavy machinery where reliable switching of 3-phase motors up to 55 kW (at 400 V) or 110 kW (at 690 V) is required. Compatible with Siemens 3RU1136 thermal overload relays and 3RB electronic overload relays for comprehensive motor protection.

7. Specifications Table

Feature	Specification
Product Series	SIRIUS 3RT1
Size	S10 (100 A frame)
Number of Poles	3 (NO main contacts)
Rated Operational Current (AC-3, 400 V)	115 A
Rated Operational Current (AC-1)	200–250 A
Rated Operational Power (AC-3, 400 V)	55 kW
Rated Operational Power (AC-3, 690 V)	110 kW
Coil Voltage (Us)	110 V AC (50 Hz) / 120 V AC (60 Hz)
Pick-up Voltage	0.85 to 1.1 × Us
Inrush Power	~700 VA
Holding Power	~14 VA
Rated Insulation Voltage (Ui)	1000 V
Rated Impulse Withstand Voltage	8 kV
Connection Type	Screw terminals (box terminals)
Auxiliary Contacts	Expandable via 3RH19 side-mounting blocks
Degree of Protection	IP20 (finger-safe)
Mechanical Life	10 million switching cycles
Electrical Life (AC-3, 400 V, 115 A)	~1.5 million switching cycles
Operating Temperature	-25°C to +60°C
Mounting	Screw panel mounting (DIN rail via adapter)
Width	90 mm
Height	175 mm
Depth	~135 mm
Weight	~3.1 kg
Compatible Overload Relay	Siemens 3RU1136 (up to 160 A) / 3RB electronic
Surge Suppressor	Siemens 3RT19 varistor or RC element
Standards	IEC 60947-4-1, EN 60947-4-1

8. FAQ

Q: What is the coil voltage of the 3RT1065-6AF36?
A: 110 V AC at 50 Hz / 120 V AC at 60 Hz. The "AF36" suffix denotes this specific coil voltage variant.

Q: What is the maximum motor power this contactor can switch?
A: 55 kW at 400 V AC-3, and up to 110 kW at 690 V AC-3. For AC-1 resistive loads, it handles 200–250 A.

Q: What size frame is the 3RT1065-6AF36?
A: Size S10, with dimensions of 90 × 175 × 135 mm and a weight of approximately 3.1 kg.

Q: Does this contactor include built-in auxiliary contacts?
A: The S10 frame supports expandable auxiliary contact blocks via 3RH19 side-mounting or front-mounting blocks. Check the specific variant for built-in contacts.

Q: What overload relay is compatible with the 3RT1065-6AF36?
A: Siemens 3RU1136 thermal overload relays (up to 160 A) or 3RB electronic overload relays for advanced protection.

Q: Can I use a surge suppressor with this contactor?
A: Yes, Siemens 3RT19 varistors or RC elements matched to the 110/120 V AC coil voltage can be installed to suppress switching transients.

Q: What is the insulation voltage rating?
A: 1000 V rated insulation voltage (Ui) with 8 kV impulse withstand (Uimp).

Q: How is this contactor mounted?
A: Primarily screw-mounted directly to the panel. DIN rail mounting is possible via an adapter accessory.