Product Research Report: Siemens 3RT1015-1AP01 Power Contactor

1. Product Name

Siemens 3RT1015-1AP01 Power Contactor

2. SEO Keywords

- Siemens 3RT1015-1AP01
- Siemens SIRIUS 3RT1 contactor
- Siemens 3RT1015 9A contactor
- Siemens 3RT1015-1AP01 230V AC coil
- Siemens Size S00 power contactor
- Siemens 3RT1 series contactor
- Siemens 3-pole contactor 4kW
- Siemens 3RT1015 AC-3 contactor

3. Category

[new] Contactor -> Siemens

4. Product Introduction

Series#: [new] Contactor -> Siemens -> 3RT1 Series Power Contactors
- Siemens 3RT1015-1AP01 Power Contactor, 3-pole, 9A, 230V AC coil
- We have large inventory for Siemens 3RT1 series power contactors, contactor relays and related accessories.
- 100% Original and new, In stock by Siemens Company.
- Delivery time: Ready in stock and 1 days for ship out
- MOQ: 1pcs

5. Brand & Model

model：3RT1015-1AP01
brand：Siemens

6. Service & Applications

The Siemens 3RT1015-1AP01 is a compact Size S00 power contactor from the SIRIUS 3RT1 series, designed for switching 3-phase motors and resistive loads. Rated for 9 A at AC-3 (400 V) and up to 4 kW motor power at 400 V, it features a 230 V AC 50/60 Hz coil and 1 built-in NO auxiliary contact. The screw terminal connections, IP20 finger-safe design, and 35 mm DIN rail mounting make it ideal for motor control panels, pump control, HVAC systems, and industrial automation applications. With a mechanical life of 10 million switching cycles and compliance with IEC 60947-4-1, this contactor delivers reliable performance in demanding environments.

7. Specifications Table

Feature	Specification
Product Type	Power Contactor
Order Number	3RT1015-1AP01
Series	Siemens SIRIUS 3RT1
Size	S00
Number of Main Poles	3 (3 NO)
Coil Voltage	230 V AC, 50/60 Hz
Rated Operational Current (Ie) - AC-3	9 A @ 230 V; 9 A @ 400 V; 9 A @ 415 V; 7 A @ 690 V
Rated Operational Current (Ie) - AC-1	22 A (resistive load, 40°C)
Rated Uninterrupted Current (Iu)	10 A
Motor Power (P) - AC-3	2.2 kW @ 230 V; 4.0 kW @ 400 V; 4.0 kW @ 690 V
Utilization Category	AC-3 (Motor switching), AC-1 (Resistive loads)
Coil Power Consumption (Pick-up)	approx. 68 VA
Coil Power Consumption (Holding)	approx. 8 VA
Built-in Auxiliary Contact	1 NO (Normally Open)
Connection Type	Screw terminals
Mounting	35 mm DIN Rail or screw mounting
Dimensions (H × W × D)	57.5 × 45 × 73 mm
Weight	approx. 0.3 kg
Degree of Protection	IP20 (Finger-safe)
Rated Insulation Voltage (Ui)	690 V
Rated Impulse Withstand Voltage (Uimp)	6 kV
Operating Temperature	-25°C to +60°C
Mechanical Life	10 million switching cycles
Electrical Life (AC-3)	1 million switching cycles
Standards	IEC 60947-4-1, EN 60947-4-1

8. FAQ

Q: What is the difference between 3RT1015-1AP01 and 3RT1025-1AP00?
A: The 3RT1015-1AP01 is Size S00 (9 A, 4 kW), while the 3RT1025-1AP00 is Size S0 (17 A, 7.5 kW). The S0 size has a larger frame and higher current rating for bigger motors.

Q: What coil voltage does the 3RT1015-1AP01 use?
A: It uses a 230 V AC coil operating at 50/60 Hz. The "1AP01" suffix indicates 230 V AC coil voltage in the Siemens naming convention.

Q: What motor power can this contactor switch at 400 V?
A: The 3RT1015-1AP01 can switch motors up to 4.0 kW at 400 V AC under AC-3 utilization category.

Q: Does this contactor come with auxiliary contacts?
A: Yes, it comes with 1 built-in NO (Normally Open) auxiliary contact. Additional auxiliary blocks can be snapped onto the side or front if more contacts are needed.

Q: What overload relay should be used with this contactor?
A: The standard matching overload relay for Size S00 is the 3RU11 21-4DB0 (manual auto-reset) or electronic overload relays from the 3RB series.

Q: Can this contactor be used for AC-4 duty (plugging/inching)?
A: Yes, but the rated current must be derated significantly — to approximately 3.3 A for AC-4 duty due to increased heat from frequent arcing.

Q: What are the dimensions of the 3RT1015-1AP01?
A: The dimensions are 57.5 mm (H) × 45 mm (W) × 73 mm (D), making it very compact and suitable for high-density panel layouts.

Q: How is the contactor mounted?
A: It can be mounted on a standard 35 mm DIN rail or via screw mounting using the provided mounting holes at the base.