Product Research Report: Siemens 3RH1921-1EA02

1. Product Name

Siemens SIRIUS 3RH1921-1EA02 Auxiliary Switch Block (1NO+1NC)

2. SEO Keywords

- Siemens 3RH1921-1EA02
- Siemens SIRIUS auxiliary switch
- Siemens 3RH19 auxiliary contact block
- Siemens contactor accessory 1NO+1NC
- Siemens 3RT contactor accessory
- Siemens SIRIUS 3RH1921
- Siemens auxiliary contact screw terminal

3. Category

Contactor -> [new] Siemens

4. Product Introduction

Series#: Contactor -> Siemens
- Siemens 3RH1921-1EA02 SIRIUS Auxiliary Switch Block (1NO+1NC)
- We have large inventory for Siemens SIRIUS 3RH19 Auxiliary Switch Blocks, SIRIUS contactor accessories and related products.
- 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：3RH1921-1EA02
brand：Siemens

6. Service & Applications

The Siemens 3RH1921-1EA02 is a 2-pole auxiliary switch block from the SIRIUS 3RH19 series, featuring 1 Normally Open (NO) + 1 Normally Closed (NC) contact configuration. Designed for snap-on mounting on Siemens SIRIUS 3RT1 (S00, S0, S2) contactors, it provides auxiliary contact expansion for control circuit applications. The NO contact (11-12) typically signals contactor energized status to a PLC, while the NC contact (21-22) is commonly used for safety chains or fault indication. Rated for 10A at 24V DC, 6A at 230V AC (AC-15), and 2A at 110V DC (DC-13), with 500V rated insulation voltage and 6kV impulse withstand. Screw terminal connection, IP20 protection, operating temperature -25°C to +60°C, compliant with IEC 60947-5-1.

7. Specifications Table

Feature	Specification
Manufacturer	Siemens
Product Family	SIRIUS 3RH19
Order Number (MLFB)	3RH1921-1EA02
Product Type	Auxiliary Switch Block
Number of Contacts	2
Contact Configuration	1NO + 1NC (11-12 / 21-22)
Mounting Type	Snap-on (Side mount)
Compatible Contactors	3RT1 (S00, S0, S2)
Rated Insulation Voltage (Ui)	500 V AC
Surge Voltage Resistance (Uimp)	6 kV
Rated Current Ie AC-15 @230V	6 A
Rated Current Ie AC-15 @500V	2.5 A
Rated Current Ie DC-13 @24V	10 A
Rated Current Ie DC-13 @110V	2 A
Rated Current Ie DC-13 @220V	1 A
Utilization Category	AC-15 / DC-13
Mechanical Operating Cycles	>10 million
Electrical Operating Cycles (AC-15)	>1 million
Connection Technology	Screw terminals
Degree of Protection	IP20
Operating Temperature	-25°C to +60°C
Standards	IEC 60947-5-1
Commodity Code	85364900

8. FAQ

Q: What is the contact configuration of the 3RH1921-1EA02?
A: 1 Normally Open (NO) + 1 Normally Closed (NC) — circuit diagram 11-12 for NO and 21-22 for NC.

Q: Which Siemens contactors is this compatible with?
A: SIRIUS 3RT1 contactors in sizes S00, S0, and S2 (may require specific arrangement for S2).

Q: How does the NO and NC contact differ in application?
A: The NO contact (11-12) closes when the contactor coil is energized, typically used for run status signaling. The NC contact (21-22) opens when energized, commonly used for safety chains or fault/off indication.

Q: What are the DC switching ratings?
A: 10A at 24V DC, 2A at 110V DC, and 1A at 220V DC under DC-13 utilization category for inductive DC loads.

Q: Does this block use screw or spring terminals?
A: Screw terminals. For spring-loaded (cage clamp) terminals, use the 3RH1921-1HA02 or 3RH1921-1DA02 variants.

Q: How many switching cycles can this block handle?
A: Over 10 million mechanical cycles and over 1 million electrical cycles under AC-15 load conditions.

Q: What is the insulation voltage?
A: Rated insulation voltage of 500V AC with 6kV impulse withstand capability.

Q: Is this suitable for safety applications?
A: The NC contact (21-22) is commonly used in safety chains for feedback signals, but always verify against the specific safety system requirements and applicable standards.