Product Research Report: Siemens 3RH1921-1FE22 Auxiliary Switch Block

1. Product Name

Siemens 3RH1921-1FE22 Auxiliary Switch Block

2. SEO Keywords

- Siemens 3RH1921-1FE22
- Siemens auxiliary switch block 4-pole
- Siemens SIRIUS 2NO 2NC auxiliary contact
- 3RH1921-1FE22 side mount auxiliary block
- Siemens contactor auxiliary switch
- Siemens 3RH19 series
- Siemens 4-contact auxiliary block
- Siemens S00 S0 auxiliary switch

3. Category

[new] Contactor -> Siemens

4. Product Introduction

Series#: [new] Contactor -> Siemens -> 3RH19 Series Auxiliary Switch Blocks
- Siemens 3RH1921-1FE22 Auxiliary Switch Block, 2NO + 2NC
- We have large inventory for Siemens 3RH19 series auxiliary switch blocks, 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：3RH1921-1FE22
brand：Siemens

6. Service & Applications

The Siemens 3RH1921-1FE22 is a 4-pole auxiliary switch block designed for side-mounting onto Siemens SIRIUS 3RT10 series contactors (Sizes S00, S0, and select S2/S3 ranges). It provides 2 Normally Open (NO) and 2 Normally Closed (NC) contacts for expanded control circuit feedback, interlocking, and signaling. Rated for up to 690 V AC insulation voltage, this block complies with IEC 60947-5-1 and features a compact 45 mm width with screw terminals and IP20 finger-safe protection. Typical applications include complex motor control panels requiring multiple feedback signals, PLC interlocking circuits, and safety systems where redundant NO/NC contacts are needed.

7. Specifications Table

Feature	Specification
Product Type	Auxiliary Switch Block (Side Mounting)
Order Number	3RH1921-1FE22
Series	Siemens SIRIUS 3RH19
Number of Contacts	2 NO + 2 NC (4-pole)
Contact Type	Changeover contacts per IEC 60947-5-1
Rated Insulation Voltage (Ui)	690 V AC
Rated Impulse Withstand Voltage (Uimp)	6 kV
Rated Operational Current (Ie) - AC-15	3 A @ 690 V AC; 6 A @ 400 V AC
Rated Operational Current (Ie) - DC-13	0.3 A @ 220 V DC; 0.1 A @ 440 V DC
Mounting Type	Snap-on / Clip-on (Side mounting)
Compatible With	Siemens 3RT10 series contactors, Sizes S00, S0, S2, S3
Terminal Type	Screw terminals with cage clamp
Width	45 mm
Depth (from contactor front)	approx. 47 mm
Height	approx. 57.5 mm
Degree of Protection	IP20 (Finger-safe)
Standards	IEC 60947-5-1, EN 60947-5-1
Operating Temperature	-25°C to +60°C
Wire Capacity (Rigid)	1 × 0.75 … 2 × 2.5 mm²
Wire Capacity (Flexible with ferrule)	1 × 0.75 … 2 × 1.5 mm²
AWG Range	20 … 14 AWG

8. FAQ

Q: How many contacts does the 3RH1921-1FE22 provide?
A: It provides 4 contacts in total: 2 Normally Open (NO) and 2 Normally Closed (NC), making it a 4-pole auxiliary switch block.

Q: Which Siemens contactors is the 3RH1921-1FE22 compatible with?
A: It is compatible with Siemens 3RT10 SIRIUS contactors in Sizes S00, S0, and select S2/S3 ranges. It snaps onto the side of the contactor.

Q: What is the difference between 3RH1921-1FE22 and 3RH1921-1EA20?
A: The 3RH1921-1EA20 provides 1 NO + 1 NC (2 contacts), while the 3RH1921-1FE22 provides 2 NO + 2 NC (4 contacts) for applications requiring more auxiliary contacts.

Q: What are the current ratings for AC-15 duty?
A: The contacts are rated for 6 A at 400 V AC and 3 A at 690 V AC under AC-15 utilization category per IEC 60947-5-1.

Q: Does the 3RH1921-1FE22 require tools for mounting?
A: No, it features snap-on/clip-on side mounting and does not require screws to attach to the contactor. Only the wire connections require a screwdriver.

Q: What wire sizes can be connected to the screw terminals?
A: The screw terminals with cage clamp accept rigid conductors from 0.75 mm² to 2.5 mm² and flexible conductors with ferrules from 0.75 mm² to 1.5 mm² (20–14 AWG).

Q: Is this auxiliary block suitable for safety circuits?
A: Yes, the contacts comply with IEC 60947-5-1 for mirror contact performance, making them suitable for safety feedback and interlocking applications.

Q: What is the insulation voltage rating of this device?
A: The rated insulation voltage (Ui) is 690 V AC, with a rated impulse withstand voltage of 6 kV.