Product Research Report: Siemens 3RH1921-1EA20 Auxiliary Switch Block

1. Product Name

Siemens 3RH1921-1EA20 Auxiliary Switch Block

2. SEO Keywords

- Siemens 3RH1921-1EA20
- Siemens auxiliary switch block
- Siemens SIRIUS auxiliary contact
- 3RH1921-1EA20 side mount auxiliary contact
- Siemens contactor auxiliary switch
- Siemens 3RH19 series
- Siemens 1NO 1NC 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 3RH1921-1EA20 Auxiliary Switch Block, 1NO + 1NC
- 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：3RH1921-1EA20
brand：Siemens

6. Service & Applications

The Siemens 3RH1921-1EA20 is a compact auxiliary switch block designed for side-mounting onto Siemens SIRIUS 3RT10 series contactors (Sizes S00 and S0). It provides 1 Normally Open (NO) and 1 Normally Closed (NC) mirror contact for control circuit feedback and interlocking. Rated for up to 690 V AC insulation voltage and 10 A operational current (AC-15), this auxiliary block is fully compliant with IEC 60947-5-1. The screw terminal design with IP20 finger-safe protection ensures secure wiring and operator safety. Typical applications include motor control panels, PLC feedback circuits, and safety interlocking systems where contactor status signaling is required.

7. Specifications Table

Feature	Specification
Product Type	Auxiliary Switch Block (Side Mounting)
Order Number	3RH1921-1EA20
Series	Siemens SIRIUS 3RH19
Number of Contacts	1 NO + 1 NC (1 Ö + 1 S)
Contact Type	Mirror 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	10 A @ 24 V AC; 10 A @ 110 V AC; 6 A @ 230 V AC; 3 A @ 400 V AC
Rated Operational Current (Ie) - DC-13	10 A @ 24 V DC; 0.9 A @ 110 V DC; 0.45 A @ 220 V DC
Rated Conditional Short-Circuit Current	10 kA (with 10 A gG fuse)
Mounting Type	Clip-on (Side mounting)
Compatible With	Siemens 3RT10 contactors, Sizes S00 and S0
Terminal Type	Screw terminals
Width	9 mm
Degree of Protection	IP20 (Finger-safe)
Standards	IEC 60947-5-1, EN 60947-5-1
Operating Temperature	-25°C to +60°C
Commodity Code	85365080

8. FAQ

Q: What is the difference between 3RH1921-1EA20 and a contactor relay?
A: The 3RH1921-1EA20 is an auxiliary switch block that mounts to the side of a 3RT10 contactor. It is not a standalone contactor or relay — it only provides additional NO/NC feedback contacts for control circuits.

Q: Which Siemens contactors are compatible with 3RH1921-1EA20?
A: It is compatible with Siemens 3RT10 series contactors in Sizes S00 and S0. It clips onto the side of the contactor body.

Q: What are the contact ratings for AC-15 duty?
A: The contacts are rated for 10 A at 24 V AC and 110 V AC, 6 A at 230 V AC, and 3 A at 400 V AC under AC-15 utilization category.

Q: Does this auxiliary block require screws to mount?
A: No, the 3RH1921-1EA20 features clip-on side mounting — it snaps directly onto the side of the compatible contactor without additional screws.

Q: What is the insulation voltage rating of this auxiliary switch?
A: The rated insulation voltage (Ui) is 690 V AC, with a rated impulse withstand voltage of 6 kV per IEC 60947-5-1.

Q: Are the contacts suitable for safety circuits?
A: Yes, the contacts are mirror contacts compliant with IEC 60947-5-1, making them suitable for safety feedback and interlocking circuits.

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

Q: What is the operating temperature range for this device?
A: The 3RH1921-1EA20 operates reliably in ambient temperatures from -25°C to +60°C.