Product Research Report: Siemens 3RH1921-1HA22 Auxiliary Switch Block

1. Product Name

Siemens 3RH1921-1HA22 Auxiliary Switch Block

2. SEO Keywords

- Siemens 3RH1921-1HA22
- Siemens auxiliary switch block screw mount
- Siemens SIRIUS 1NO 1NC auxiliary contact
- 3RH1921-1HA22 side mount auxiliary block
- Siemens contactor auxiliary switch screw type
- Siemens 3RH19 series
- Siemens auxiliary switch block IP20
- Siemens S00 S0 auxiliary switch

3. Category

[new] Contactor -> Siemens

4. Product Introduction

Series#: [new] Contactor -> Siemens -> 3RH19 Series Auxiliary Switch Blocks
- Siemens 3RH1921-1HA22 Auxiliary Switch Block, 1NO + 1NC, Screw Mount
- 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：3RH1921-1HA22
brand：Siemens

6. Service & Applications

The Siemens 3RH1921-1HA22 is an auxiliary switch block designed for side-mounting onto Siemens SIRIUS 3RT10 series contactors (Sizes S00 and S0) using screw-type mounting. It provides 1 Normally Open (NO) and 1 Normally Closed (NC) mirror contact for control circuit feedback, interlocking, and status signaling. Rated for up to 690 V AC insulation voltage and 10 A operational current (AC-15), this block complies with IEC 60947-5-1 and features screw terminals with IP20 finger-safe protection. The screw-type side mounting provides a more secure mechanical attachment compared to clip-on variants, making it suitable for applications subject to high vibration. Typical applications include motor control panels, PLC feedback circuits, and industrial automation systems requiring reliable contactor status signaling.

7. Specifications Table

Feature	Specification
Product Type	Auxiliary Switch Block (Side Mounting, Screw Type)
Order Number	3RH1921-1HA22
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	Screw-type side mounting
Compatible With	Siemens 3RT10 contactors, Sizes S00 and S0
Terminal Type	Screw terminals
Degree of Protection	IP20 (Finger-safe)
Standards	IEC 60947-5-1, EN 60947-5-1
Operating Temperature	-25°C to +60°C
Surge Voltage Resistance	6 kV
Commodity Code	85365080

8. FAQ

Q: What is the difference between 3RH1921-1HA22 and 3RH1921-1EA20?
A: Both provide 1 NO + 1 NC contacts. The key difference is the mounting method: 3RH1921-1EA20 uses clip-on side mounting, while 3RH1921-1HA22 uses screw-type side mounting for more secure attachment in high-vibration environments.

Q: Which Siemens contactors are compatible with 3RH1921-1HA22?
A: It is compatible with Siemens 3RT10 series contactors in Sizes S00 and S0. It mounts to the side of the contactor using screws.

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: Is the screw mounting more reliable than clip-on mounting?
A: Screw-type mounting provides a more secure mechanical attachment, making it preferable for applications subject to high vibration or mechanical shock. Clip-on mounting is faster for installation but may be less secure in harsh environments.

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 is the operating temperature range for this device?
A: The 3RH1921-1HA22 operates reliably in ambient temperatures from -25°C to +60°C.

Q: Does this auxiliary block require a separate accessory for mounting?
A: No, the 3RH1921-1HA22 is designed to mount directly to the side of compatible 3RT10 contactors using the provided screw mounting points. No additional adapter is required for Sizes S00 and S0.