

SCHMERSAL SRB-NA-R-C.35-CH2A-24V

**Exact identity**

SCHMERSAL SRB-NA-R-C.35-CH2A-24V belongs to the SRB-NA-R-C.35 24 V safety-relay family for emergency-stop and guard-door monitoring. The supplied family catalog defines the common 24 V electrical and installation data but does not decode the complete CH2A suffix.

| PARAMETER               | VERIFIED VALUE                                      |
|-------------------------|-----------------------------------------------------|
| Manufacturer            | Schmersal / ELAN                                    |
| Supplied model identity | SRB-NA-R-C.35-CH2A-24V                              |
| Documented family       | SRB-NA-R-C.35, 24 V variants                        |
| Safety function         | Emergency-stop or guard-door monitoring             |
| Enabling outputs        | 4                                                   |
| Monitoring outputs      | 1                                                   |
| Delayed enabling output | 1; adjustable 0 to 30 s                             |
| Reset behavior          | Automatic reset selectable; feedback loop provided  |
| Nominal supply          | 24 V DC or 24 V AC, depending on documented variant |
| DC supply tolerance     | -15% / +20%; maximum ripple 10%                     |

Pre-work boundary: The supplied ELAN/Schmersal catalog supports the SRB-NA-R-C.35 24 V family values. It does not define the complete CH2A suffix, so option-specific data must be verified from the installed nameplate and controlled wiring documentation.

Evidence reviewed: ELAN / Schmersal SRB safety-relay catalog, SRB-NA-R-C.35 24 V family pages.

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**01 / Installation check**

Verify the full SRB-NA-R-C.35-CH2A-24V marking; the supplied catalog does not decode the CH2A suffix.

**02 / Installation check**

Place the machine and its safety function in the authorized maintenance state before relay work.

**03 / Installation check**

Record every input, enabling output, monitoring output, feedback-loop connection and delay setting before removal.

**04 / Installation check**

Confirm the actual nameplate supply and use only the documented 24 V circuit arrangement.

**05 / Installation check**

Wire the emergency-stop or guard-door circuit exactly as defined by the validated safety design.

**06 / Installation check**

Preserve the selected automatic/manual reset behavior and prove the feedback loop before enabling motion.

**07 / Installation check**

Set the delayed enabling output only to the value established by the machine risk assessment and controlled drawing.

**08 / Installation check**

After installation, test channel faults, reset behavior, contact transfer, delay time and safe-state response before release.

**Hold point**

Do not energize until identity, isolation, connectors, configuration and the applicable safety or protection chain have been independently checked.

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| RELEASE ITEM        | REQUIRED EVIDENCE                                       |
|---------------------|---------------------------------------------------------|
| Identity            | Exact article, revision and installed position recorded |
| Configuration       | Approved backup and restored settings recorded          |
| Connections         | Connector, wiring, network and shield checks completed  |
| Diagnostics         | Startup diagnostics reviewed and accepted               |
| Function            | Controlled application test completed                   |
| Safety / protection | Applicable safety or protection chain proved            |
| Baseline            | Final indications, alarms and response recorded         |
| Release             | Authorized acceptance and handover completed            |

### Application-specific confirmation

#### Emergency-stop monitoring

Monitors a documented single- or dual-channel emergency-stop circuit.

#### Guard-door interlocking

Monitors an approved safety-door circuit and controls enabling contacts.

#### Delayed machine stop

Uses the documented delayed enabling output where the validated risk assessment requires run-down time.

#### Safety-relay replacement

Restores the exact installed relay after wiring, delay and reset behavior are recorded.

Record actual test values and approvals in the site commissioning record; this guide does not replace the manufacturer's procedure.

Verified ApterPower navigation links; not approved substitutes

| NO. | RELATED PRODUCT        | APTERPOWER LINK                                  |
|-----|------------------------|--------------------------------------------------|
| 01  | HIMA F7553             | <a href="#">View HIMA F7553 page</a>             |
| 02  | HIMA H7506             | <a href="#">View HIMA H7506 page</a>             |
| 03  | HIMA K7214             | <a href="#">View HIMA K7214 page</a>             |
| 04  | HIMA Z7108             | <a href="#">View HIMA Z7108 page</a>             |
| 05  | HIMA Z7136             | <a href="#">View HIMA Z7136 page</a>             |
| 06  | HIMA Z7138             | <a href="#">View HIMA Z7138 page</a>             |
| 07  | HIMA Z7150             | <a href="#">View HIMA Z7150 page</a>             |
| 08  | Pilz P2HZX1            | <a href="#">View Pilz P2HZX1 page</a>            |
| 09  | Honeywell 10001-A-1    | <a href="#">View Honeywell 10001-A-1 page</a>    |
| 10  | Honeywell 10001-R-1    | <a href="#">View Honeywell 10001-R-1 page</a>    |
| 11  | Honeywell 10002-1-2    | <a href="#">View Honeywell 10002-1-2 page</a>    |
| 12  | Honeywell 10005-1-1    | <a href="#">View Honeywell 10005-1-1 page</a>    |
| 13  | ABB AI830-3BSE008518R1 | <a href="#">View ABB AI830-3BSE008518R1 page</a> |
| 14  | Honeywell 10006-2-1    | <a href="#">View Honeywell 10006-2-1 page</a>    |
| 15  | Honeywell 10008-U      | <a href="#">View Honeywell 10008-U page</a>      |
| 16  | Honeywell 10012-1-2    | <a href="#">View Honeywell 10012-1-2 page</a>    |

Recommendation links are navigation aids only and do not establish compatibility.

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