

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

Safety Relay Module

Product identity and function

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.

01 / Function

Provides emergency-stop or guard-door monitoring within the SRB-NA-R-C.35 family

02 / Function

Provides four enabling outputs and one monitoring output

03 / Function

Includes one delayed enabling output adjustable from 0 to 30 seconds

04 / Function

Supports feedback-loop monitoring and selectable reset behavior

PRODUCT FIELD	OFFICIAL 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

Evidence 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.

Official technical parameters

SCHMERSAL SRB-NA-R-C.35-CH2A-24V / verified set 1

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

Common applications

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.

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

Applications and product precautions

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

01 / Check

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

02 / Check

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

03 / Check

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

04 / Check

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

05 / Check

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

06 / Check

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

07 / Check

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

08 / Check

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

Model-specific engineering FAQ

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

What safety function does SRB-NA-R-C.35-CH2A-24V perform?

The SRB-NA-R-C.35 family is documented for emergency-stop or guard-door monitoring with enabling and monitoring outputs.

How many enabling outputs are available on SRB-NA-R-C.35-CH2A-24V?

The documented family provides four enabling outputs and one monitoring output.

Does SRB-NA-R-C.35-CH2A-24V provide a delayed safety output?

Yes. One enabling output is documented as drop-out delayed, with an adjustable 0 to 30 second range.

Which reset method applies to SRB-NA-R-C.35-CH2A-24V?

The family supports selectable automatic reset and includes a feedback loop; the installed setting must be recorded and validated.

Which supply should be used for SRB-NA-R-C.35-CH2A-24V?

Use the exact nameplate supply. The catalog documents 24 V DC and 24 V AC family variants with their respective tolerances.

What contact duty is documented for SRB-NA-R-C.35-CH2A-24V?

The family data lists 230 V AC / 6 A for an ohmic enabling load, DC-13 at 24 V / 2 A and AC-15 at 230 V / 3 A.

Which response times apply to SRB-NA-R-C.35-CH2A-24V?

The family specification lists a maximum 200 ms pick-up time and maximum 30 ms drop-out time, apart from the intentionally delayed output.

What must be tested after replacing SRB-NA-R-C.35-CH2A-24V?

Prove channel-fault detection, feedback and reset behavior, all enabling contacts, the configured delay and the machine's safe-state response.

Answers are limited to the exact identity and the cited manufacturer evidence; project configuration remains installation-specific.

Related products and contact

Verified ApterPower navigation links; not approved substitutes

NO.	RELATED PRODUCT	APTERPOWER LINK
01	HIMA HIMatrix F30 01	View HIMA HIMatrix F30 01 page
02	HIMA HIMatrix F35 011	View HIMA HIMatrix F35 011 page
03	HIMA HIMatrix F3 DIO 16/8 01	View HIMA HIMatrix F3 DIO 16/8 01 page
04	HIMA F3 DIO 16/8 01	View HIMA F3 DIO 16/8 01 page
05	HIMA F60 CPU 03	View HIMA F60 CPU 03 page
06	HIMA F60 MI 24 01	View HIMA F60 MI 24 01 page
07	HIMA F60 AO 8 01	View HIMA F60 AO 8 01 page
08	HIMA HIMax X-DI 3201	View HIMA HIMax X-DI 3201 page
09	HIMA 42300	View HIMA 42300 page
10	HIMA 52100	View HIMA 52100 page
11	ICS Triplex MAI32MAD	View ICS Triplex MAI32MAD page
12	ICS Triplex T3420A	View ICS Triplex T3420A page
13	ICS Triplex T3481A	View ICS Triplex T3481A page
14	ICS Triplex T8110B	View ICS Triplex T8110B page
15	ICS Triplex T8431C	View ICS Triplex T8431C page
16	ICS Triplex T9300	View ICS Triplex T9300 page

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

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