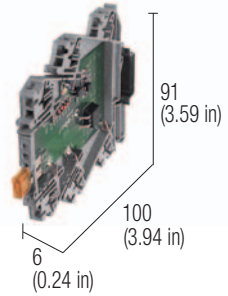
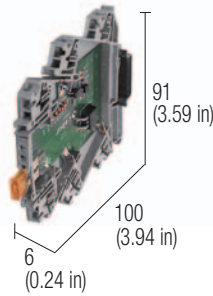


Solid state 12-24 Vdc single relay with fuse

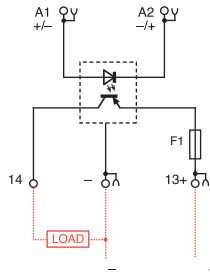
- 5 A / 24 Vdc rated current
- Common negative or positive input
- Overload, short-circuit protected output with replaceable fuse
- Status LED display, reverse polarity protection
- 6 mm wide
- Plug-in jumper available



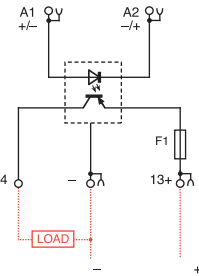
NOTES

(1) The fast blow-out fuse is calibrated to protect the output stage of the module and it is connected in series to the positive pole; it is possible to replace the fuse with lower rated current values, selected to protect also the load and its wires; a fuse having a current rating higher than 5 A does not protect the output against short circuit and overloads.
 (2) In order to assure the IP20 protection degree, the last module must be protected and insulated using the CK/P.T end section.

BLOCK DIAGRAM



BLOCK DIAGRAM



VERSIONS

Pluggable relay
Fixed relay

Cat. No. XCKS15NA

CKS15NA

Cat. No. XCKS15NB

CKS15NB

INPUT TECHNICAL DATA

Input voltage	4.5...12 Vdc
Level 1 (high) input signal	≥4.5 Vdc
Level 0 (low) input signal	≤4 Vdc
Rated current	≤5 mA @ 12 Vdc

Input voltage	19...30 Vdc
Level 1 (high) input signal	≥ 20 Vdc
Level 0 (low) input signal	≤18 Vdc
Rated current	≤ 5 mA @ 24 Vdc

OUTPUT TECHNICAL DATA

Output voltage	5.2...60 Vdc, max. 100 V (peak)
Continuous load current	5 A / 24 Vdc @ 25°C
Max. current	7.5 A / 1 s, 25 A / 50 ms
Min. applicable load	5.2 V / 10 mA
Leakage current 0 signal	25 µA @ 60 Vdc between 13 and 14
Isolation between open contacts	3 kVac / 60 s
Protection fuse (1)	F 5 A

Output voltage	5.2...60 Vdc, max. 100 V (peak)
Continuous load current	5 A / 24 Vdc @ 25°C
Max. current	7.5 A / 1 s, 25 A / 50 ms
Min. applicable load	5.2 V / 10 mA
Leakage current 0 signal	25 µA @ 60 Vdc between 13 and 14
Isolation between open contacts	3 kVac / 60 s
Protection fuse (1)	F 5 A

GENERAL TECHNICAL DATA

Operating temperature	-20...+60°C
I/O isolation	3 kVac / 60 s
Max. switching frequency	400 Hz max.
Protection degree	IP20 IEC529 EN60529
Reference Standard	IEC 664-1, EN50081-1
Pollution degree	2
Overvoltage category	II
Connection terminals	2.5 mm ² (AWG 14), AWG26-14 spring type
Housing material	Polyamide UL94V-0
Approx. weight	32 g (1.13 oz)
Mounting information	vertical on rail adjacent without gap

Operating temperature	-20...+60°C
I/O isolation	3 kVac / 60 s
Max. switching frequency	400 Hz max.
Protection degree	IP20 IEC529 EN60529
Reference Standard	IEC 664-1, EN50081-1
Pollution degree	2
Overvoltage category	II
Connection terminals	2.5 mm ² (AWG 14), AWG26-14 spring type
Housing material	Polyamide UL94V-0
Approx. weight	32 g (1.13 oz)
Mounting information	vertical on rail adjacent without gap

MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7,5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail type according to IEC60715/G32	—
Replacement relay (1)	—
Plug-in jumper	Cat. No. PTCK42 (42 poles)
Marking tags	blank Cat. No. NU0851

Mounting rail type according to IEC60715/TH35-7,5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail type according to IEC60715/G32	—
Replacement relay (1)	—
Plug-in jumper	Cat. No. PTCK42 (42 poles)
Marking tags	blank Cat. No. NU0851

End plate Cat. No. XCKPT

End plate Cat. No. XCKPT