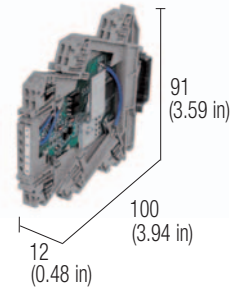
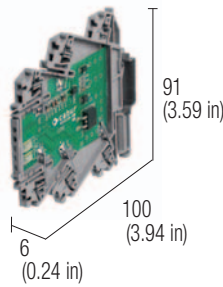


Solid state 12-24 Vdc single relay with electronic

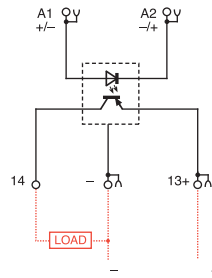
- Electronic protection from short circuit, overload, overtemperature
- Input and output status LED
- Output extravoltage suppressor diode
- Extralow current absorbing
- Plug-in jumper available



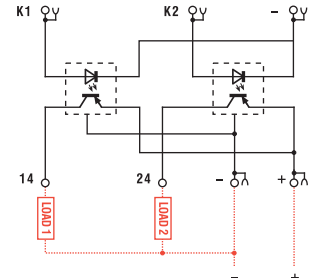
NOTES

- (1) Maximum output current of each channel depends on surrounding air temperature, on the number of output temporarily active and on the current flowing through them; the given value is measured with 4 active outputs and 4 not active
- (2) All outputs are overcurrent and overtemperature; when ovd or ovt protections cuts off the output current, the output display led turns off or reduces its light depending on ovd degree; the output turns on automatically when the ovd or ovt are removed.

BLOCK DIAGRAM



BLOCK DIAGRAM



VERSIONS

Pluggable relay
Fixed relay

Cat. No. XCKS15E

CKS15E

Cat. No. XCKS22

CKS22

INPUT TECHNICAL DATA

Input voltage	5...24 Vdc (4.2...32 Vdc)
Level 1 (high) input signal	> 3.5 Vdc
Level 0 (low) input signal	< 3.5 Vdc
Rated current	≤ 5 mA @ 24 Vdc
Input channels	1

Input voltage	12...24 Vdc (range 8...33 Vdc)
Level 1 (high) input signal	≥ 12 Vdc
Level 0 (low) input signal	≤ 11.7 Vdc
Rated current	≤ 5 mA @ 24 Vdc
Input channels	2 with common negative

OUTPUT TECHNICAL DATA

Output voltage	5...24 Vdc (5...32 Vdc)
Continuous load current	5 A / 24 Vdc @ 45°C (1)
Max. current	7.5 A / 60 s, 2.5 A / 50 ms peak (1)
Min. applicable load	5.2 V / 100 mA
Max. switching frequency	200 Hz max.
Leakage current 0 signal	< 25 μA @ 24 Vdc
Isolation between open contacts	—
Protection	electronic from overload, overtemperature (2)

Output voltage	12...24 Vdc (range 5...33 Vdc)
Continuous load current	2 x 2.5 A / 24 Vdc @ 45°C
Max. current	4.4 A
Min. applicable load	10 mA
Max. switching frequency	—
Leakage current 0 signal	1 mA @ 24 Vdc
Isolation between open contacts	3 kVac / 60 s
Protection	—

GENERAL TECHNICAL DATA

Operating temperature	-20 ... +60°C (with therml protection) (2)
I/O isolation	3 kVac / 60 s
Max. switching frequency	—
Protection degree	IP20 IEC529 EN60529
Reference Standard	IEC 664-1, EN50081-1
Pollution degree	2
Overvoltage category	II
Connection terminals	2.5 mm ² AWG26-14 fixed spring type
Housing material	Polyamide UL94V-0
Approx. weight	30 g (1.06 oz)
Mounting information	vertical on rail adjacent without gap

Operating temperature	-20 ... +60°C (with therml protection) (2)
I/O isolation	3 kVac / 60 s
Max. switching frequency	1 kHz (Ton <500 ms / Toff <500 ms)
Protection degree	IP20 IEC529 EN60529
Reference Standard	IEC 664-1, EN50081-1
Pollution degree	2
Overvoltage category	II
Connection terminals	2.5 mm ² AWG26-14 fixed 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

Cat. No. XCKPT