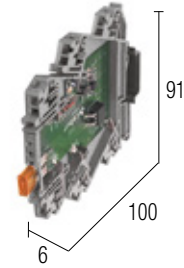
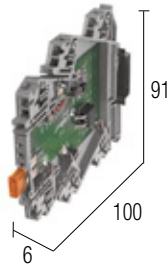


Individual 12...24 Vdc solid state relays with fuse

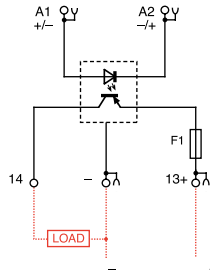
- Nominal current 5 A / 24 Vdc
- Input with both negative and positive common
- Output with short-circuit and overload protection and replaceable fuse
- Frontal status LED, reverse polarity protection
- Width 6 mm



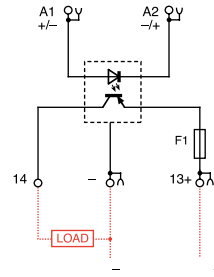
NOTES

- (1) Quick fuse designed to protect the output of the module inserted on the switched side of the circuit; the fuse may be replaced with a smaller one coordinated with the I of the load and/or wires; a fuse larger than 5 A does not protect the module output from short circuits or overload.
- (2) the final module must always be protected with the CK/PT terminal wall to ensure degree of protection IP20.
- (3) Version made to order (not kept in stock); contact our sales office for availability.

BLOCK DIAGRAM



BLOCK DIAGRAM



VERSIONS

- Pluggable relay
- Fixed relay

Code XCKS15NA

CKS15NA (3)

Code XCKS15NB

CKS15NB

TECHNICAL DATA INPUT

Input voltage	4.5...12 Vdc
Signal 1 input level	≥4.5 Vdc
Signal 0 input level	≤4 Vdc
Power consumption	≤5 mA @ 12 Vdc

Input voltage	19...30 Vdc
Signal 1 input level	≥ 20 Vdc
Signal 0 input level	≤18 Vdc
Power consumption	≤ 5 mA @ 24 Vdc

TECHNICAL DATA OUTPUT

Output voltage	5.2...60 Vdc, max. 100 V (peak)
Permanent 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 with signal 0	25 µA @ 60 Vdc between 13 and 14
Isolation between poles	3 kVac / 60 s
Safety fuse (1)	F 5 A

Output voltage	5.2...60 Vdc, max. 100 V (peak)
Permanent 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 with signal 0	25 µA @ 60 Vdc between 13 and 14
Isolation between poles	3 kVac / 60 s
Safety fuse (1)	F 5 A

GENERAL TECHNICAL DATA

Room temperature	-20...+60°C
Input/Output insulation	3 kVac / 60 s
Max commutation frequency	400 Hz max
Degree of protection	IP20 IEC529 EN60529
Reference Standards	IEC 664-1, EN50081-1
Degree of pollution	2
Surge category	II
Connection type	2.5 mm ² , AWG26-14 spring type
Container material	UL94V-0 polyamide
Approximate weight	32 g
Assembly	vertical on rails, side by side

Room temperature	-20...+60°C
Input/Output insulation	3 kVac / 60 s
Max commutation frequency	400 Hz max
Degree of protection	IP20 IEC529 EN60529
Reference Standards	IEC 664-1, EN50081-1
Degree of pollution	2
Surge category	II
Connection type	2.5 mm ² , AWG26-14 spring type
Container material	UL94V-0 polyamide
Approximate weight	32 g
Assembly	vertical on rails, side by side

ACCESSORIES FOR ASSEMBLY

Mounting rail compliant with IEC60715/TH35-7.5	—
Mounting rail compliant with IEC60715/G32	—
Spare part relay (1)	—
Jumper	Code PTCK42 (42 poles)
Marking tag	Code NU0851 neutral

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

Code PTCK42 (42 poles)
Code NU0851

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

Code PTCK42 (42 poles)
Code NU0851

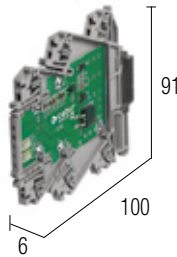
End section

Code XCKPT

Code XCKPT

Individual 12...24 Vdc solid state relays with electronic protection

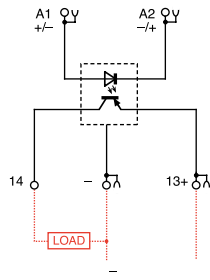
- Short-circuit/overload/overtemperature protection
- Status LED on input and output
- Output overvoltage damping diode
- Super low current absorption



NOTES

- (1) Maximum current depends on the number of simultaneously active outputs and the ambient temperature; the value shown was measured with 4 active and 4 non-active outputs.
- (2) Outputs are protected against short-circuit/overload and overtemperature; safety activation is indicated by a dimly lit or off output side status LED; once the short-circuit/overload is eliminated, the output is restored automatically.
- (3) Version made to order (not kept in stock); contact our sales office for availability.

BLOCK DIAGRAM



VERSIONS

- Pluggable relay
- Fixed relay

Code XCKS15E

CKS15E

TECHNICAL DATA INPUT

Input voltage	5...24 Vdc (4.2...32 Vdc)
Signal 1 input level	> 3.5 Vdc
Signal 0 input level	< 3.5 Vdc
Power consumption	≤ 5 mA @ 24 Vdc
Inputs	1

TECHNICAL DATA OUTPUT

Output voltage	5...24 Vdc (5...32 Vdc)
Permanent 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
Commutation frequency	200 Hz max
Leakage current with signal 0	< 25 µA @ 24 Vdc
Isolation between poles	—
Protection	electronic against short-circuit/overload, thermal (2)

GENERAL TECHNICAL DATA

Room temperature	-20 ... +60°C with thermal protection (2)
Input/Output insulation	3 kVac / 60 s
Max commutation frequency	—
Degree of protection	IP20 IEC529 EN60529
Reference Standards	IEC 664-1, EN50081-1
Degree of pollution	2
Surge category	II
Connection type	Fixed AWG26-14 2.5 mm ² spring terminal blocks
Container material	UL94V-0 polyamide
Approximate weight	30 g
Assembly	vertical on rails, side by side

ACCESSORIES FOR ASSEMBLY

Mounting rail compliant with IEC60715/TH35-7.5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail compliant with IEC60715/G32	—
Spare part relay (1)	—
Jumper	Code PTCK42 (42 poles)
Marking tag neutral	Code NU0851

End section Code XCKPT