

# Pluggable interface relays and optocouplers CR-P

## Pcb relays, optocouplers and accessories

Pluggable interface relays and optocouplers are used for electrical isolation, amplification and signal matching between the electronic controlling, e.g. PLC (programmable logic controller), PC or field bus systems and the sensor / actuator level. They don't use additional internal protective circuits and thus are overload-proof against short-time variations like current or voltage peaks.



2CDC 291 045 F0004



2CDC 291 006 F0016

### Characteristics

- Standard Pcb relays and optocouplers
- 9 different rated control supply voltages  $U_g$ :  
DC versions: 12 V, 24 V, 48 V, 110 V  
AC versions: 24 V, 48 V, 110 V, 120 V, 230 V
- Output relay: 1 c/o (SPDT) contact (16 A) or 2 c/o (SPDT) contacts (8 A), 2 c/o (SPDT) contact version optionally equipped with gold contacts  
Output optocoupler: MOS-FET 5 A - 35 V DC, Triac 3 A - 275 V AC
- Cadmium-free contact material
- Suited for logical and standard sockets
- Width on socket: 15.8 mm
- Pluggable function modules: reverse polarity protection/ free wheeling diode, LED indication, RC elements, overvoltage protection

### Approvals

- ANSI/UL 508
- CAN/GSA C22.2 No.14
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- VDE
- EAC
- CCC
- RMRS

((only relays and sockets, except versions with gold contacts)  
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## Order data

Packing unit = 10 pieces

### Pluggable interface relays, 1 c/o (SPDT) contact: 250 V, 16 A

Type	Rated control supply voltage $U_s$	Order code
CR-P012DC1	12 V DC	1SVR 405 600 R4000
CR-P024DC1	24 V DC	1SVR 405 600 R1000
CR-P048DC1	48 V DC	1SVR 405 600 R6000
CR-P110DC1	110 V DC	1SVR 405 600 R8000
CR-P024AC1	24 V AC	1SVR 405 600 R0000
CR-P048AC1	48 V AC	1SVR 405 600 R5000
CR-P110AC1	110 V AC	1SVR 405 600 R7000
CR-P120AC1	120 V AC	1SVR 405 600 R2000
CR-P230AC1	230 V AC	1SVR 405 600 R3000

### Pluggable interface relays, 2 c/o (SPDT) contacts: 250 V, 8 A

CR-P012DC2	12 V DC	1SVR 405 601 R4000
CR-P024DC2	24 V DC	1SVR 405 601 R1000
CR-P048DC2	48 V DC	1SVR 405 601 R6000
CR-P110DC2	110 V DC	1SVR 405 601 R8000
CR-P024AC2	24 V AC	1SVR 405 601 R0000
CR-P048AC2	48 V AC	1SVR 405 601 R5000
CR-P110AC2	110 V AC	1SVR 405 601 R7000
CR-P120AC2	120 V AC	1SVR 405 601 R2000
CR-P230AC2	230 V AC	1SVR 405 601 R3000

### Pluggable interface relays, 2 c/o (SPDT) with gold contacts: 250 V, 8 A

CR-P024DC2G	24 V DC	1SVR 405 606 R1000
CR-P024AC2G	24 V AC	1SVR 405 606 R0000
CR-P110AC2G	110 V AC	1SVR 405 606 R7000
CR-P230AC2G	230 V AC	1SVR 405 606 R3000

### Pluggable optocouplers

Type	Rated control supply voltage $U_s$	Output	Order code
CR-P024MOS1	10-32 V DC	MOS-FET, 5 A - 35 V DC	1SVR 405 610 R4060
CR-P024TRI1		Triac, 3 A - 275 V AC	1SVR 405 610 R4070