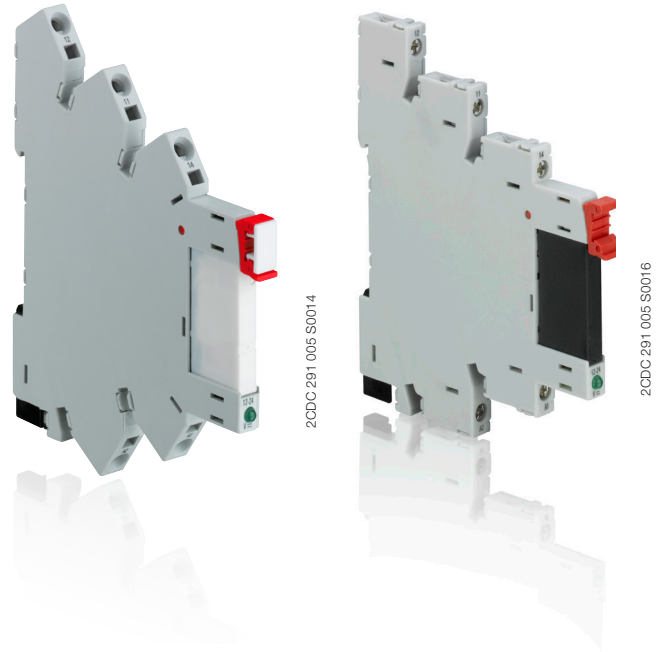


Pluggable interface relays and optocouplers CR-S

Slim 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.



Characteristics

- Standard slim relays (5 mm), optocouplers (5 mm), sockets (6.2 mm) and accessories
- Combination of 9 different rated control supply voltages possible:
DC versions: 5 V, 12 V, 24 V
AC/DC versions: 12 V, 24 V, 48 V, 60 V, 110 V, 230 V
- Output relay: 1 c/o (SPDT) contact (6 A), standard and gold-plated
Output optocoupler: Transistor 100 mA - 48 V DC, MOS-FET 2 A - 24 V DC, Triac 2 A - 240 V AC
- Cadmium-free contact material
- All sockets with LED
- Screw and spring connection terminals
- Jumper bar (red, black, blue), marker and separator available as accessories

Approvals

- ANSI/UL 508, CAN/CSA C22.2 No.14
- CAN/CSA C22.2 No.14-13 (only relays and sockets)
relays also: CAN/CSA C22.2 No.0-10
- VDE (only relays and sockets with screw terminals)
- EAC (only relays and sockets)
- CQC

Marks

- CE (except relays)

Order data

Packing unit = 10 pieces

Pluggable interface relays, 1 c/o (SPDT) standard contacts: 250 V, 6 A

Type	Rated control supply voltage U_s	Order code
CR-S005VDC1R	5 V DC	1SVR405501R1010
CR-S012VDC1R	12 V DC	1SVR405501R2010
CR-S024VDC1R	24 V DC	1SVR405501R3010
CR-S048VDC1R	48 V DC	1SVR405501R4010
CR-S060VDC1R	60 V DC	1SVR405501R5010

Pluggable interface relays, 1 c/o (SPDT) gold plated contacts: 12 V, 250 mA (3W)¹⁾

CR-S005VDC1RG	5 V DC	1SVR405501R1020
CR-S012VDC1RG	12 V DC	1SVR405501R2020
CR-S024VDC1RG	24 V DC	1SVR405501R3020
CR-S048VDC1RG	48 V DC	1SVR405501R4020
CR-S060VDC1RG	60 V DC	1SVR405501R5020

Pluggable interface optocouplers

Type	Rated control supply voltage U_s	Output characteristics	Order code
CR-S024VDC1TRA	24 V DC	Transistor, 100 mA - 48 V DC	1SVR405510R3050
CR-S024VDC1MOS	24 V DC	MOS-FET, 2 A - 24 V DC	1SVR405510R3060
CR-S024VDC1TRI	24 V DC	Triac, 2 A - 240 V AC	1SVR405510R3070

Complete interface relays (relay + socket), 1 c/o (SPDT) standard contacts: 250 V, 6 A

Type	Rated control supply voltage U_s	Connection	Order code
CR-S024VADC1CRS	24 V AC/DC	Screw	1SVR405541R3110
CR-S024VADC1CRZ	24 V AC/DC	Spring	1SVR405541R3210
CR-S110VADC1CRS	110 V AC/DC	Screw	1SVR405541R6110
CR-S110VADC1CRZ	110 V AC/DC	Spring	1SVR405541R6210
CR-S230VADC1CRS	230 V AC/DC	Screw	1SVR405541R7110
CR-S230VADC1CRZ	230 V AC/DC	Spring	1SVR405541R7210

Complete interface relays (relay+socket), 1 c/o (SPDT) gold plated contacts: 12 V, 250 mA (3W)¹⁾

CR-S024VADC1CRGS	24 V AC/DC	Screw	1SVR405541R3120
CR-S024VADC1CRGZ	24 V AC/DC	Spring	1SVR405541R3220
CR-S110VADC1CRGS	110 V AC/DC	Screw	1SVR405541R6120
CR-S110VADC1CRGZ	110 V AC/DC	Spring	1SVR405541R6220
CR-S230VADC1CRGS	230 V AC/DC	Screw	1SVR405541R7120
CR-S230VADC1CRGZ	230 V AC/DC	Spring	1SVR405541R7220

Sockets

CR-S006/024VDC1SS	6-24 V DC	Screw	1SVR405521R1100
CR-S006/024VDC1SZ	6-24 V DC	Spring	1SVR405521R1200
CR-S012/024VADC1SS	12-24 V AC/DC	Screw	1SVR405521R3100
CR-S012/024VADC1SZ	12-24 V AC/DC	Spring	1SVR405521R3200
CR-S048/060VADC1SS	48-60 V AC/DC	Screw	1SVR405521R5100
CR-S048/060VADC1SZ	48-60 V AC/DC	Spring	1SVR405521R5200
CR-S110/125VADC1SS	110-125 V AC/DC	Screw	1SVR405521R6100
CR-S110/125VADC1SZ	110-125 V AC/DC	Spring	1SVR405521R6200
CR-S220/240VADC1SS	220-240 V AC/DC	Screw	1SVR405521R7100
CR-S220/240VADC1SZ	220-240 V AC/DC	Spring	1SVR405521R7200

Accessories for CR-S range sockets

Type	Version	Order code
CR-SJB20-BLUE	Jumper bar 20 pole, blue color	1SVR405598R0700
CR-SJB20-RED	Jumper bar 20 pole, red color	1SVR405598R0800
CR-SJB20-BLACK	Jumper bar 20 pole, black color	1SVR405598R0900
CR-SM	Marker block	1SNB041391R0610
CR-SSEP	Separator	1SVR405599R0000

¹⁾ If specified maximum values exceeded, the gold plating is destroyed. The maximum values of the standard contacts are then valid.