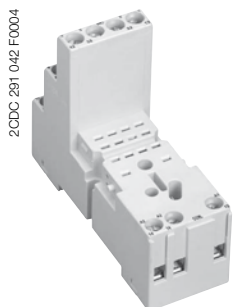


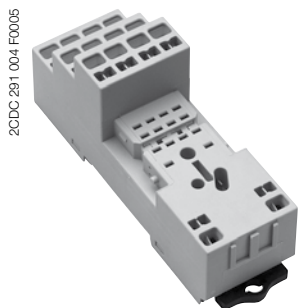
Accessories for pluggable interface relays CR-M

Sockets

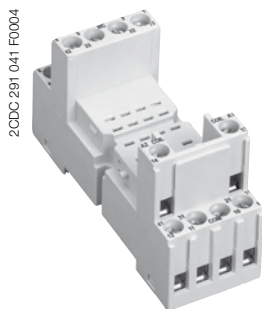
Data sheet



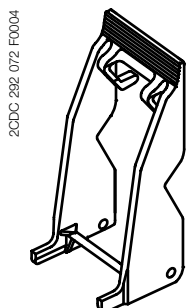
CR-M4LS



CR-M4LC



CR-M4SS



CR-MH

Features

- Logical and standard socket for interface relays CR-M
- Snap-on mounting on DIN rail
- Width 27 mm
- Connector for pluggable function modules: reverse polarity protection/free wheeling diode, LED indication, RC element, overload protection, time module

Approvals

- UL 508 (except CR-M...SF)
- CAN/CSA C22.2 No.14
- GOST
- RMRS

Marks

- CE

Order data

Type	Version	Connection	Order code
Logical sockets			
CR-M2LS	for 2 c/o (SPDT) contacts	screw	1SVR 405 651 R1100
CR-M3LS	for 3 c/o (SPDT) contacts	screw	1SVR 405 651 R2100
CR-M4LS	for 2 or 4 c/o (SPDT) contacts	screw	1SVR 405 651 R3100
CR-M2LC	for 2 c/o (SPDT) contacts	spring	1SVR 405 651 R1200
CR-M4LC	for 2 or 4 c/o (SPDT) contacts	spring	1SVR 405 651 R3200
Standard sockets			
CR-M2SS	for 2 c/o (SPDT) contacts	screw	1SVR 405 651 R1000
CR-M3SS	for 3 c/o (SPDT) contacts	screw	1SVR 405 651 R2000
CR-M4SS	for 2 or 4 c/o (SPDT) contacts	screw	1SVR 405 651 R3000
CR-M2SF	for 2 c/o (SPDT) contacts	fork type screw	1SVR 405 651 R1300
CR-M4SF	for 2 or 4 c/o (SPDT) contacts	fork type screw	1SVR 405 651 R3300

Accessories for CR-M sockets

CR-MH	Plastic holder	1SVR 405 659 R1000
CR-MH1	Metall holder	1SVR 405 659 R1100
CR-MJ	Jumper bar	1SVR 405 658 R6000

Standard sockets - Position of connecting terminals:

coil connection (A1-A2) on lower socket side,
contact connections (n/o and n/c contacts) on the lower and upper socket side.

Logical sockets - Position of connecting terminals:

coil connection (A1-A2) on lower socket side,
all contact connections (common contacts, n/o and n/c contacts) on upper socket side.

Details see connection diagrams.

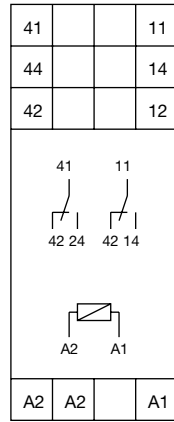
Bold printed products = stocked products. Packing unit = 10 pieces.

Accessories for pluggable interface relays CR-M

Sockets

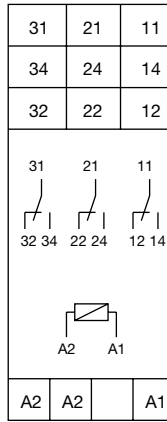
Data sheet

Connection diagrams



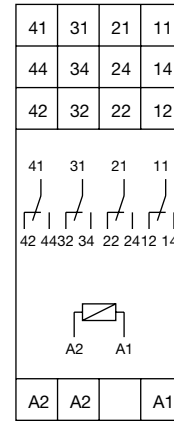
2CDC 292 075 F004

CR-M2LS



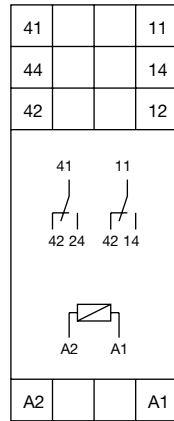
2CDC 292 074 F004

CR-M3LS



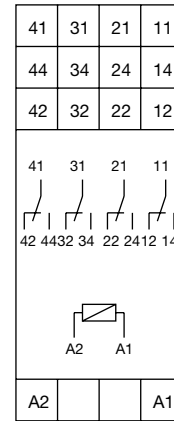
2CDC 292 073 F004

CR-M4LS



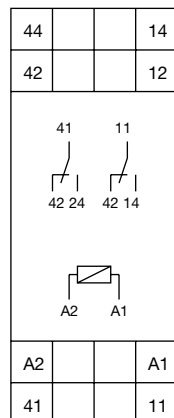
2CDC 292 009 F005

CR-M2LC



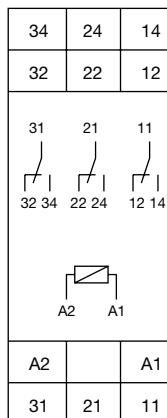
2CDC 292 008 F005

CR-M4LC



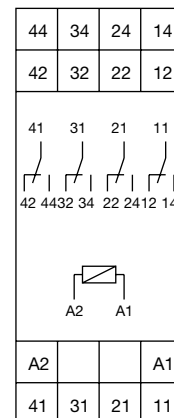
2CDC 292 070 F004

CR-M2SS, CR-M2SF



2CDC 292 069 F004

CR-M3SS



2CDC 292 068 F004

CR-M4SS, CR-M4SF

A1-A2 Supply voltage
11-12/14 Relay outputs
41-42/44

A1-A2 Supply voltage
11-12/14 Relay outputs
21-22/24
31-32/34

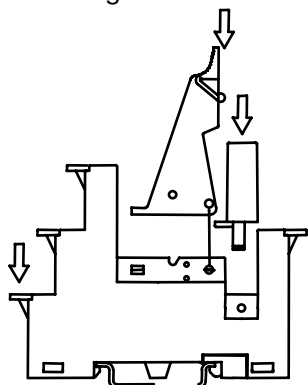
A1-A2 Supply voltage
11-12/14 Relay outputs
21-22/24
31-32/34
41-42/44

Accessories for pluggable interface relays CR-M

Sockets

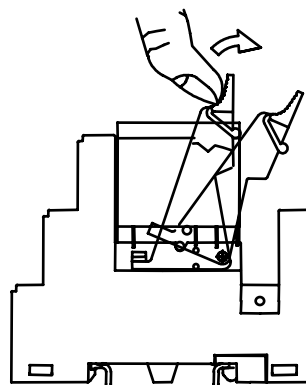
Data sheet

Mounting



2CDC 292 061 F0004

Removal



2CDC 292 062 F0004

Technical data

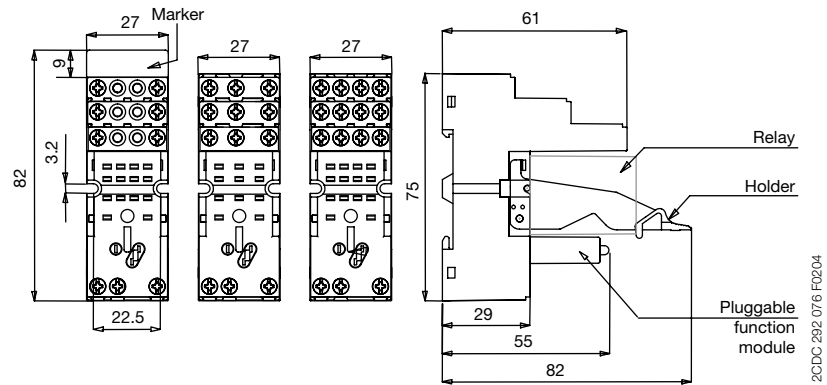
Type		CR-MxLS	CR-MxSS	CR-MxSF	CR-MxLC
Output circuits		11-12/14, 21-22/24, ...			
Number of poles		2, 3 or 4		2 or 4	
Rated voltage		300 V AC			
Rated current		12 A		10 A	
General data					
Dimensions without holder and module (L x W x H)		75 x 27 x 61 mm	75 x 27 x 42.5 mm	66.4 x 29.5 x 29 mm	95 x 31 x 42.5 mm
Degree of protection	terminals	IP 20 B (EN 60529)			
Temperature range	operation	-40...+85 °C		-25...+85 °C	
	storage	-40...+85 °C			
Connection type		screw connection		fork type screw	spring connection
Maximum number of wires per connecting terminal		2			2 (one per connection point)
Wire size	rigid	2 x 2.5 mm ² (2 x 14 AWG)		2x1.5 mm ² (2x16 AWG)	0.2-1.5 mm ² (24-16 AWG)
	fine-strand				
	with wire end ferrule	2 x 1.5 mm ² (2 x 16 AWG)			
Maximum torque		0.8 Nm		0.7 Nm	-
Minimum clamping force for fine-strand wire	with 0.2 mm ²	-	-	-	10 N
	with 1.5 mm ²	-	-	-	40 N
	with wire end ferrule	-	-	-	> 40 N
Mounting		DIN rail (EN 50022)			
Material	socket	PA 6+GF - V2			
	contacts	CuZn33			
	contact surface	5 μ tinned		6 μ nickelized	5 μ tinned
	terminals	8 μ galvanized			CCSC
	combi screw M3	8.8 Steel, 5μ nickelized			-
Isolation data					
Insulation voltage		> 3 kV		> 4 kV	
Isolation between coil and contacts		EN 61984			DIN EN 61140, VDE 0140-1
Clearance and creepage distance		EN 61984		DIN EN 60664-1	
Standards					
Products standard		EN 61984: 2001			
Low Voltage Directive		73/23/EWG			

Accessories for pluggable interface relays CR-M

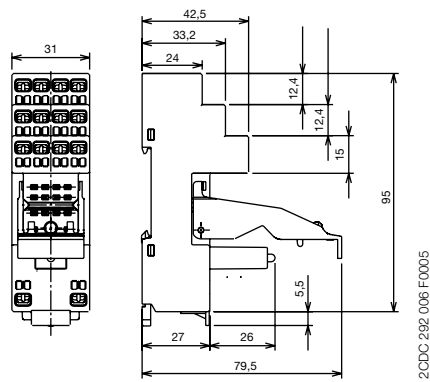
Sockets

Data sheet

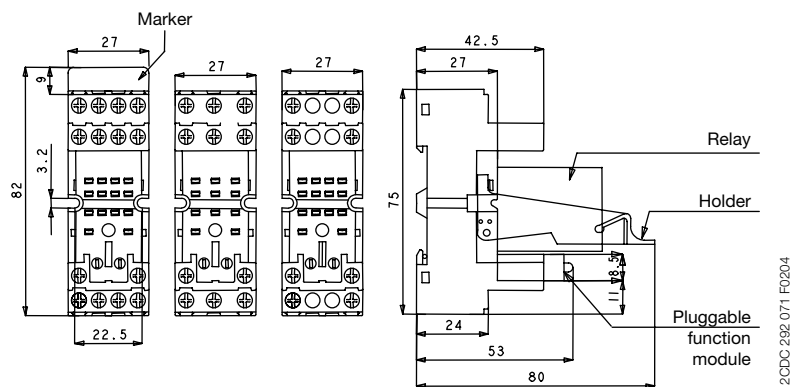
Dimensions



CR-MxLS



CR-MxLC

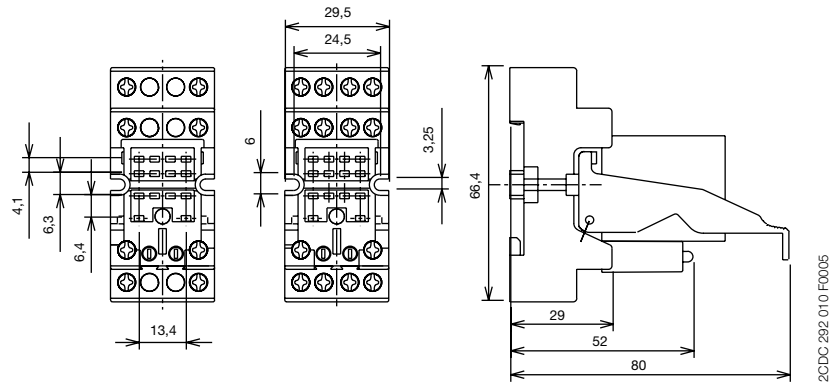


CR-MxSS

Accessories for pluggable interface relays CR-M

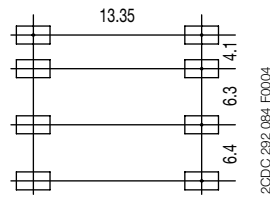
Sockets

Data sheet

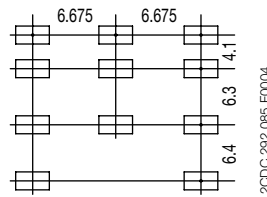


CR-MxSF

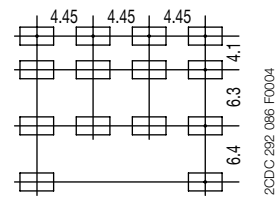
Pinning



CR-M2xS



CR-M3xS



CR-M4xS

Further documentation

Document title	Document type	Document number
Relays CR-M	Data sheet	2CDC 117 002 D0203
Jumper bar CR-MJ	Data sheet	2CDC 117 015 D0201
Pluggable function modules CR-P/M	Data sheet	2CDC 117 007 D0204
Pluggable time modules CR-P/M T	Data sheet	2CDC 117 011 D0201



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Document number: 2CDC 117 005 D0203 (02/2008)

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