

## Pluggable interface relays and optocouplers

Technical data - CR-P and CR-M jumper bars, CR-P and CR-M function modules

Rated operational voltage / Rated current		CR-PJ	CR-MJ
Rated operational voltage (VDE 0660 / part 500)		400 V	
Rated current (VDE 0660 / part 500)		25 A	
<b>Electrical connection</b>			
Bus bar diameter		6 mm <sup>2</sup> (0.0093 in <sup>2</sup> )	
Step distance		15.5 mm (0.610 in)	27.2 mm (1.071 in)
Rail length		with isolation	150 mm (5.906 in)
		without isolation	141.5 mm (5.571 in)
Stripping length of a connection wire that is used in combination with a jumper bar		6 mm (0.236 in)	
<b>Environmental data</b>			
Ambient temperature range		operation	-40... +55 °C
<b>Isolation data</b>			
Rated impulse withstand voltage U <sub>imp</sub> (VDE 0660 / part 500)		4 kV (1.2/50 μs)	
Overvoltage category (IEC/EN 60664)		III	
Pollution degree (IEC/EN 60664)		2	
<b>General data</b>			
Material of rail		E-Cu-F25	
Type of rail		pin type	
Number of pins		10	
Number of phases		1	
Color of insulating material		RAL 7035	
Flammability (UL 94)		V2	

### Technical data - CR-P and CR-M function modules

CR-P/M 22						
Type	CR-P/M 22					
Version	Diode					
Function	Reverse polarity protection					
Control supply voltage	6-220 V DC					
Component data	diode	1 A, 1000 V				
Polarized	yes (A1+, A2-)					
Material	enclosure / base	PA6 + GF - UL94 V0				
CR-P/M 42						
Type	CR-P/M 42	CR-P/M 42V	CR-P/M 42B	CR-P/M 42BV	CR-P/M 42C	CR-P/M 42CV
Version	Diode and LED					
Function	Reverse polarity protection / free-wheeling diode and LED to indicate energized coil					
Control supply voltage	6-24 V DC		24-60 V DC		110 V DC	
Component data	diode	1 A, 1000 V				
	LED	red	green	red	green	red
	resistance	3 kΩ, 0.25 W		15 kΩ, 0.25 W		200 kΩ, 0.25 W
Polarized	yes (A1+, A2-)					
Material	enclosure / base	PA6 + GF - UL94 V0				
CR-P/M 52						
Type	CR-P/M 52B		CR-P/M 52D		CR-P/M 52C	
Version	RC element					
Function	Spark quenching					
Control supply voltage	6-24 V AC/DC		24-60 V AC/DC		110-230 V AC/DC	
Component data	capacitor	0.1 μF, 63 V DC		0.1 μF, 100 V DC		0.082 μF, 400 V DC
	resistance	10 Ω, 0.25 W		47 Ω, 0.25 W		100 Ω, 0.25 W
Polarized	no					
Material	enclosure / base	PA6 + GF - UL94 V0				