

FEATURES

- Two output channel to control standard two-wire DC shutters motors that operate within 12-24 VDC and are polarity-reversible
- 12-24 VDC external power supply needed
- DIN rail mounting according to IEC 60715 Th35, with fixing clamp
- Size 67 x 90 x 35 mm (2 DIN units)
- Conformity with the CE directives (CE-mark on the right side)

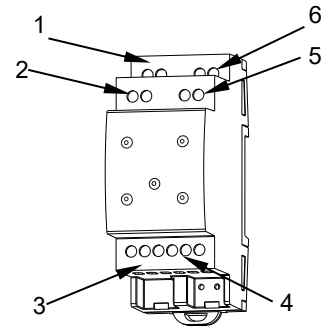


Figure 1: Shutter Coupler 2CH

1. Shutter output channel 2	2. Shutter output channel 1	3. Shutter control input for channel 1
4. Shutter control input for channel 2	5. External power supply for channel 1	6. External power supply for channel 2

GENERAL SYSTEM SPECIFICATIONS

CONCEPT	DESCRIPTION
Type of device	Electric operation control device
External power supply	12 to 24 VDC
Operation temperature	0 °C .. +55 °C
Storage temperature	-20 °C .. +55 °C
Operation humidity	5 .. 95%
Storage humidity	5 .. 95%
Complementary characteristics	Class B
Protection class	II
Operation type	Continuous operation
Device action type	Type 1
Electrical stress period	Long
Degree of protection	IP20, clean ambient
Installation	Independent device to be mounted inside electrical panels with DIN rail (IEC 60715)
Weight	59 g
PCB CTI index	175 V
Housing material	PC FR V0 halogen free

CONTROL INPUT SPECIFICATIONS

Input voltage	230 VAC ~ 50/60 Hz
Connection type	Screw terminal block
Recommended cable section	0.5-2,5 mm ² (IEC) / 26-12 AWG (UL)
Cable type	Stranded or solid wire
Maximum response time	20 ms

SHUTER OUTPUT CHANNEL SPECIFICATIONS

Output voltage		12-24 VDC
Maximum current		8 A
Maximum power		192 W
Recommended cable section		0.5-4 mm² (IEC) / 26-12 AWG (UL)
Cable type		Stranded or solid wire
Expected life	Mechanical	10 million operations (6cpm)
	Electrical	100.000 cycles

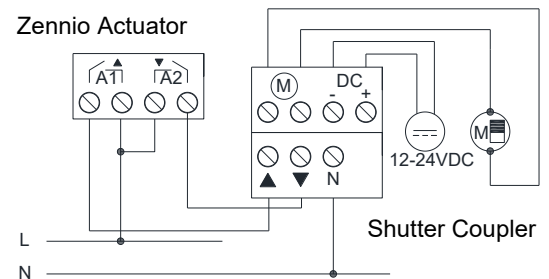
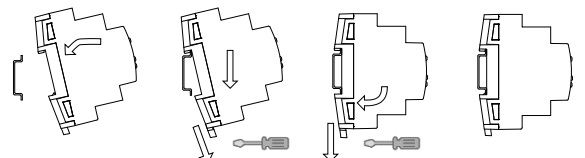
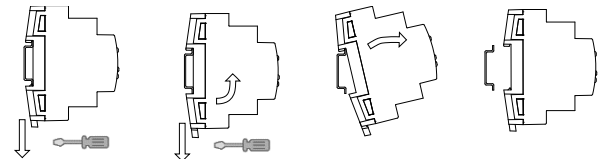


Figure 2: assembly diagram

Attaching Shutter Coupler 2CH to DIN rail:



Removing Shutter Coupler 2CH from DIN rail:



SAFETY INSTRUCTIONS AND ADDITIONAL NOTES

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- Once the device is installed (in the panel or box), it must not be accessible from outside
- Keep the device away from water (condensation over the device included) and do not cover it with clothes, paper or any other material while in use.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at <https://www.zennio.com/en/legal/weee-regulation>.