

FEATURES

- One 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)

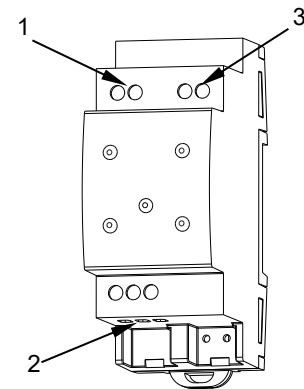


Figure 1: Shutter Coupler 1CH

1. Shutter output channel

2. Shutter control input

3. External power supply

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 mm ² (IEC) / 26-12 AWG (UL)
Cable type		Stranded or solid wire
Expected life	Mechanical	10 million operations (6cpm)
	Electrical	100.000 cycles

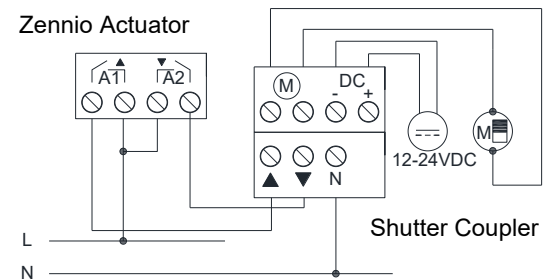
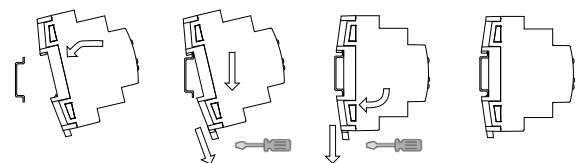
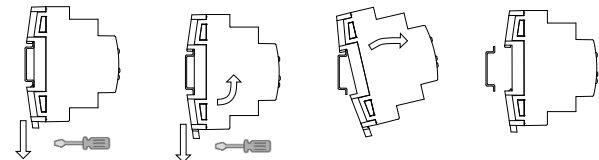


Figure 2: assembly diagram

Attaching Shutter Coupler 1CH to DIN rail:



Removing Shutter Coupler 1CH 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>.