Coupling Relay ZCoupling C2

User information

English translation

Errors and technical changes reserved

ZCoupling C2

Compact coupling relay with two change over contacts e.g. for the galvanical isolation of signals, contact reinforcement and signal conditioning.



- **Two change over (SPDT) contacts each up to 8 A, 250V AC**
- **Compact housing - 17.5 mm width**
- **Signaling the switching state via front LED**
- **35 mm DIN Rail (EN 60715 TH35)**

Application

The coupling relay ZCoupling C2 is used for the galvanically isolated coupling of signals such as PLC outputs to the periphery.

The relay coil of the C2 is controlled via the terminals A1/ A2 of the C2, whereby the two changeover contacts of the C2 are switched.

Connected encoder elements, such as PLC outputs, are optimally protected by the integrated protection circuit.

An LED embedded in the front signals the switching status of the coupling relay.

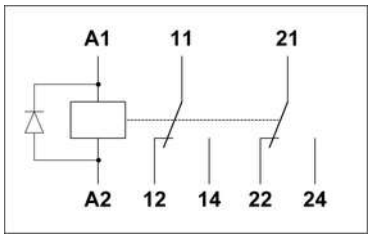
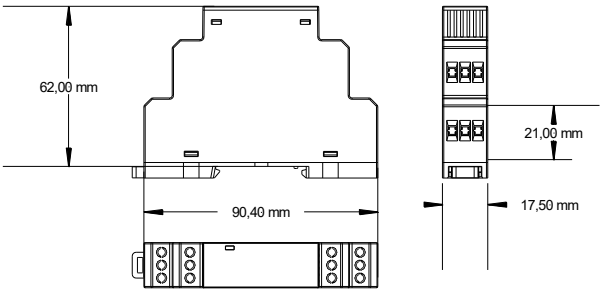


Abb. 1 Block diagram ZCoupling C2

Dimensions



Techn. Data

Control voltage A1 / A2	DC 24 V
Allowable tolerance	+ / - 10 %
Power consumption	0.5 W
Contact configuration	2 SPDT
Max. switching voltage	AC 250 V
Max. contact breaking capacity - NO contact	AC: 250 V, 2000 VA, 8 A for ohmic load 250 V, 3 A for AC-15 DC: 30 V, 240 W, 8 A for ohmic load 24 V, 2 A for DC-13
Max. contact breaking capacity - NC contact	AC: 250 V, 1500 VA, 6 A for ohmic load 250 V, 2 A for AC-15 DC: 30 V, 240 W, 6 A for ohmic load 24 V, 2 A for DC-13
Distance to adjacent devices of the same power dissipation	0 mm for loads ≤ 6 A 10 mm for loads > 6 A
Contact fuse - NO contact	10 A gG
Contact fuse - NC contact	6 A gG
Min. contact load	12 V / 10 mA
Contact material	AgNi 90/10
Service life	mech. approx. 10 x 10^6 cycles
Max. wire width	2.5 mm^2 / 14 AWG
Max. tightening moment	0.5 Nm
Typ. switch-on delay	8 ms
Typ. switch-off delay	15 ms
Dielectric strenght	6 kV (Control voltage / Contacts) 2.5 kV (Contact / Contact)
Rated isolation voltage	250 V
Degree of pollution	2
Overvoltage category	3
Degree of protection	IP20
Temperature range	-15 °C bis +50 °C
Max. altitude	≤ 2000 m (above sea level)
Weight	70g
Cabinet	Cabinet with minimum degree of protection of IP54
Mounting	35 mm DIN-Rail (EN 60715 TH35)

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E61-461-00

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Order No. Order No. 456000 ZCoupling C2

EC Declaration

CE Konformitätserklärung
EC Declaration of Conformity

ZANDER AACHEN

Hersteller: H. ZANDER GmbH & Co. KG
Producer: Am Gut Wolf 15 • 52070 Aachen • Deutschland

Produktgruppe: Funktionsmodule
Product Group: Function Modules

Produkt Name
Product Name

ZCoupling C2

Die Produkte stimmen mit den Vorschriften folgender Europäischer Richtlinien überein:
The products conform with the essential protection requirements of the following European directives:

2014/35/EU : Niederspannungsrichtlinie
2014/35/EU : Low-voltage directive

2011/65/EU : RoHS Richtlinie
2011/65/EU : RoHS directive

2014/30/EU : EMV Richtlinie
2014/30/EU : EMC directive

Die Übereinstimmung der bezeichneten Produkte mit den Vorschriften der o.a. Richtlinie wird, falls anwendbar, nachgewiesen durch die vollständige Einhaltung folgender Normen:
If applicable, the conformity of the designated products is proved by full compliance with the following standards:

EN 60664-1:2007

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Aachen, den 18.03.2021

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F7.3.07/03

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