Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output relay interface, relay with 1 change over contact
AC/DC 250 V, 6 A, 1500 VA / 144 W
Screw terminal / Push-In, contact material: $AgSnO_2$ + 5 µm HV

Identification

Type	LCIS-RGA120UP-PI-1U-HTV
Part No.	761051.0010

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	AC/DC 115 V
Input voltage range	92 V – 126.5 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	3.7 mA
Protection device Input	Bridge rectifier
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Status display input	LED green
Interrupting voltage	<7.7 V

Output

Contact type	1 changeover contacts / SPDT
Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 1 mA
Max. switching current	AC/DC 6 A

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SYSTEMATIC TECHNOLOGY

Switching capacity DC 13	1 A @ 24 V 200 mA @ 125 V 100 mA @ 250 V
Switching capacity AC 15	3 A
Max. switching capacity	1500 VA / 144 W
Contact material	$AgSnO_2$ + 5 µm HV
Mechanical service life	> 10 x 10^6 operations
Inrush current	16 A (4 ms)
Switch-on delay	5 ms
Shutdown delay	10 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m / AC: 500 m
Degree of protection	IP20
Comments	Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Insulation voltage input / output	4.0 kV_{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 mm
Rated insulation voltage (EN 50178)	300 V
Connection type	Push-In Single wire 0.25 mm² – 2.5 mm² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm² – 1.5 mm² / AWG 24–16
Strip length	8 mm
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C … +60 °C
Storage temperature range	-40 °C … +80 °C
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
EMC tests	Class B

Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)
Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNV-CG-0339

Notes and Comments

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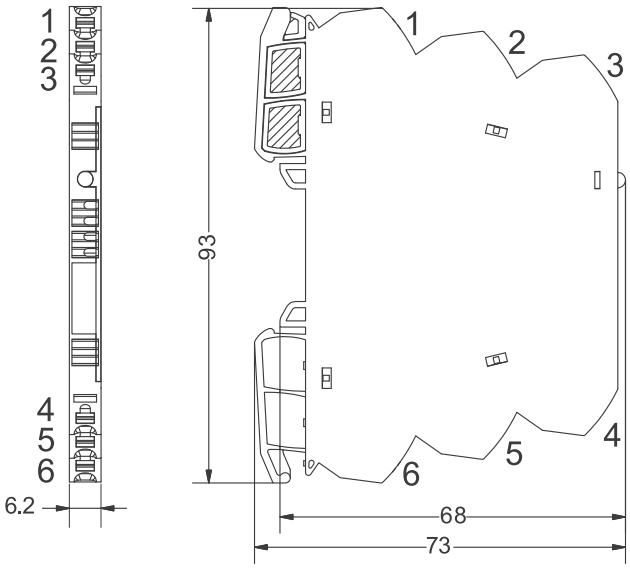
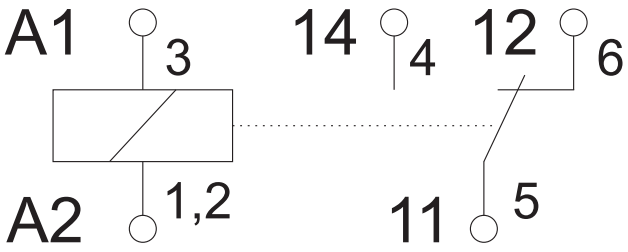
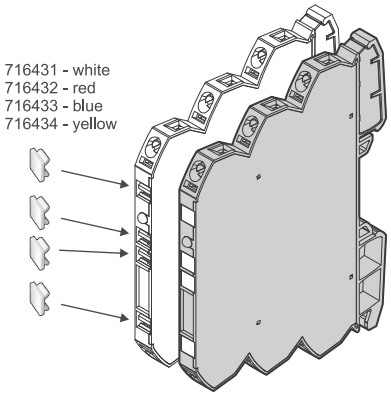
Dimensions

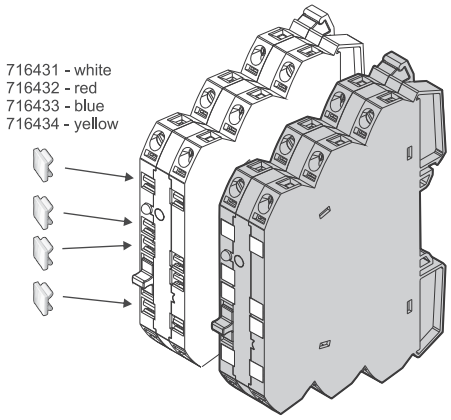


PIN assignment



Use


716431 - white
716432 - red
716433 - blue
716434 - yellow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