

Technical data sheet

Interface Technology · LCIS Mechanical Relay

Output Relay Interface, relay with 1 directional contact / SPDT relay, pluggable

AC/DC 250 V, 6 A, 1500 VA / 144 W

Screw terminal / Push-In, contact material: AgSnO₂



Identification

Type	LCIS-RS24DC-S-1U
Part No.	760020.1000

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	DC 24 V
Input voltage range	19.2 V – 30 V
Rated current I_N	10.7 mA
Protection device Input	Reverse diode
Max. length of connecting lead	DC: 1000 m
Status display input	LED green
Interrupting voltage	<1.7 V

Output

Contact type	1 changeover contacts / SPDT
Switching element	Relays
Min. switching voltage	AC/DC 17 V
Max. switching voltage	AC/DC 250 V
Min. switching current	AC/DC 5 mA
Max. switching current	AC/DC 6 A

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SYSTEMATIC TECHNOLOGY

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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
Mechanical service life	> 10 x 10 ⁶ operations
Switch-on delay	6 ms
Shutdown delay	13 ms
Protection device	None
Max. length of connecting lead	DC: 1000 m
Degree of protection	IP20

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
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
Dimensions (w × h × d)	6.2 mm × 90.0 mm × 76.0 mm
Weight/unit	0.035 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

Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA000024Y)

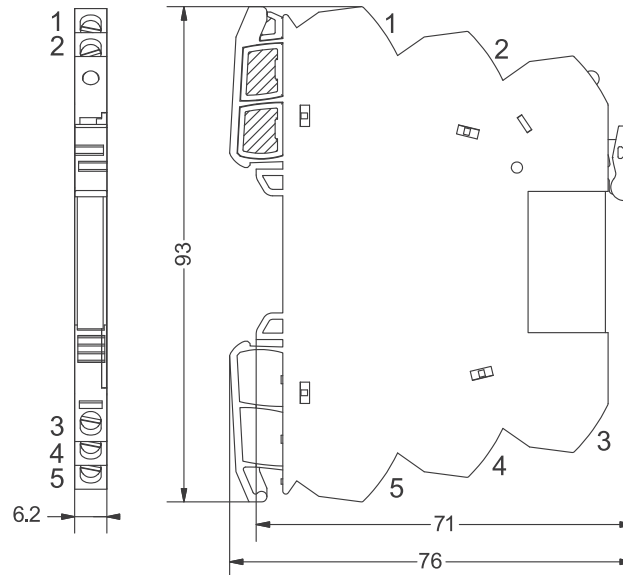
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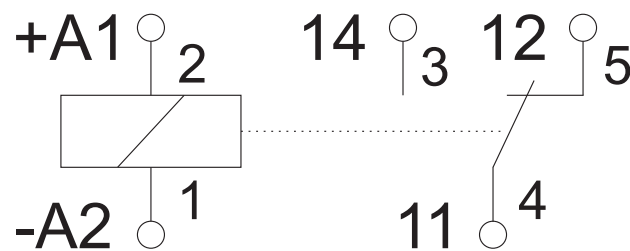
Standards

EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

Dimensions



PIN assignment



Use

