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Plug-in miniature power relay, with power contact, 1 changeover contact, input voltage 18 V DC



Your advantages

- · Safe isolation between coil and contact side
- · High degree of protection up to RT III depending on type (wash-proof)
- Power contacts up to 6 A

Commercial data

Item number	2961383
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	DK6921
Product key	DK6921
Catalog page	Page 394 (C-5-2019)
GTIN	4017918936419
Weight per piece (including packing)	6.659 g
Weight per piece (excluding packing)	4.91 g
Customs tariff number	85364190
Country of origin	CZ

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Technical data

Product properties

Product type	Single relay	
Operating mode	100% operating factor	
Mechanical service life	2x 10 ⁷ cycles	
Insulation characteristics		
Overvoltage category	III	
Pollution degree	3	
Data management status		
Date of last data management	19.03.2025	
Electrical properties		
Maximum power dissipation for nominal condition	0.16 W	

Input data

Coil side		
Nominal input voltage U _N	18 V DC	
Input voltage range	10.8 V DC 49.5 V DC	
Drive and function	monostable	
Drive (polarity)	non-polarized	
Typical input current at U _N	9 mA	
Typical response time	5 ms	
Typical release time	2.5 ms	
Coil resistance	1906 Ω ±10 % (at 20 °C)	

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Limiting continuous current	6 A
Maximum inrush current	10 A (4 s)
Min. switching current	10 mA (at 12 V)
nterrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)

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	1500 VA (for 250 V AC)
Switching capacity	2 A (at 24 V, DC13)
	0.2 A (at 110 V, DC13)
	0.1 A (at 220 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 230 V, AC15)
Motor load according to UL 508	1/4 HP, 240 - 277 V AC (N/O contact)
	1/6 HP, 240 - 277 V AC (N/C contact)

Connection data

Connection method	Plug / solder connection
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Dimensions

Dimensional drawing	
Width	5 mm
Height	28 mm
Depth	15 mm

Material specifications

Environmental and real-life conditions

Ambient conditions		
Degree of protection	RT III	
Ambient temperature (operation)	-40 °C 85 °C	
Ambient temperature (storage/transport)	-40 °C 85 °C	

Approvals

Corrosive gas test	orrosive gas test		
Identification	ISA-S71.04. G3 Harsh Group		
	EN 60068-2-60		
Standards and regulations			
Standards/regulations			
Standards/regulations	IEC 60664		

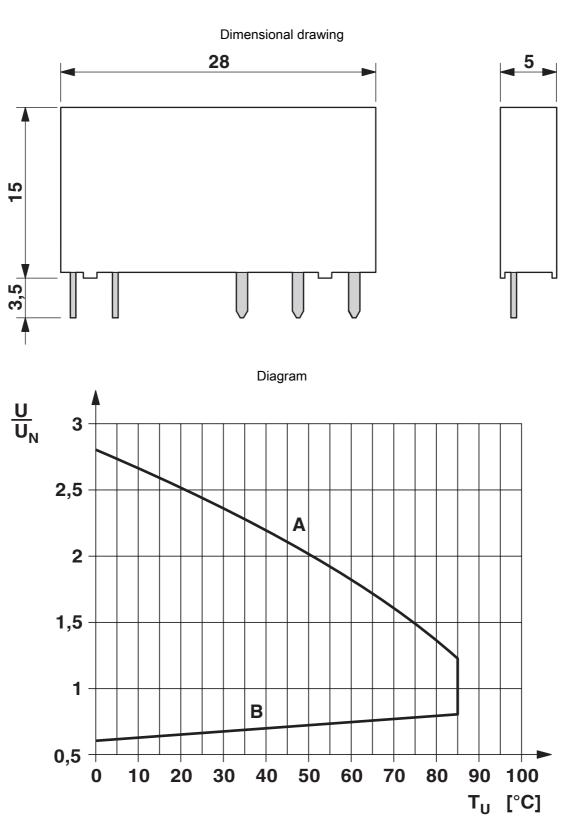
EN 61810-1

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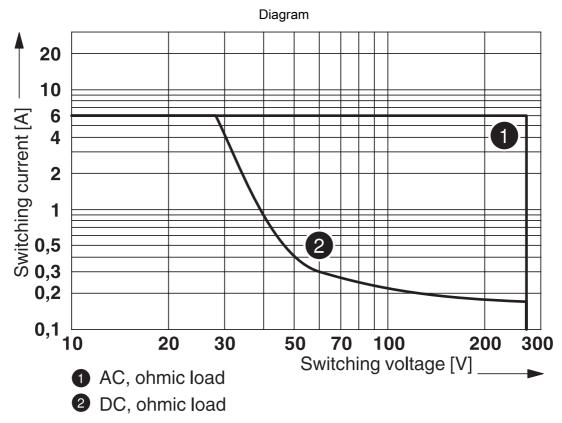
Drawings



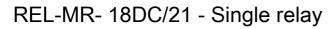


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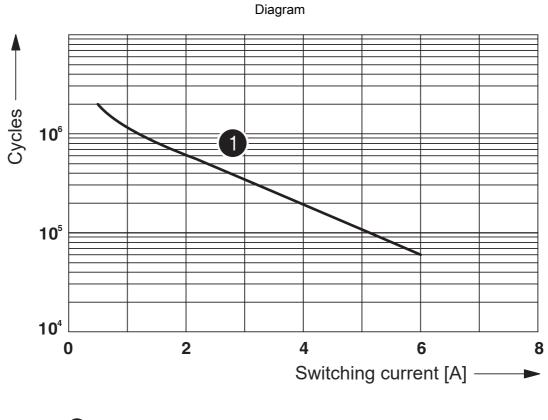
Interrupting rating





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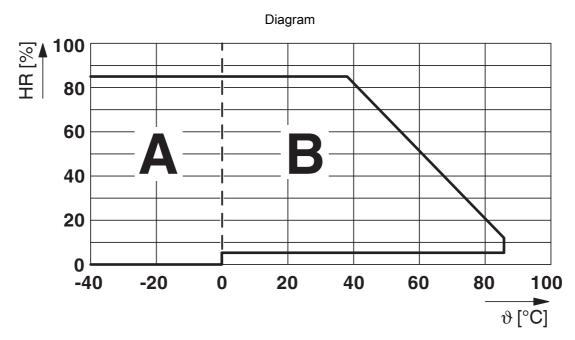
1 250 V AC, ohmic load

Electrical service life



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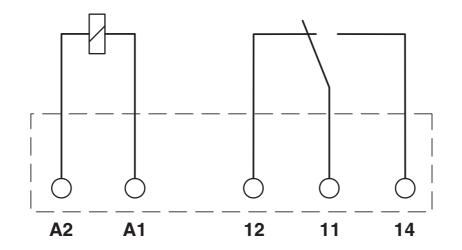
Permissible humidity for operation and storage.

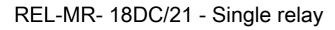
The maximum permissible ambient temperature as specified in the data sheet must be observed.

Area A: Ice buildup at ambient temperatures $\leq 0^{\circ}$ C must be prevented Area B: Condensation at ambient temperatures > 0°C must be prevented

On 30 full days that are naturally distributed across an entire year, a humidity level of 95% is permissible at an ambient temperature ≤ 25°C.

Circuit diagram



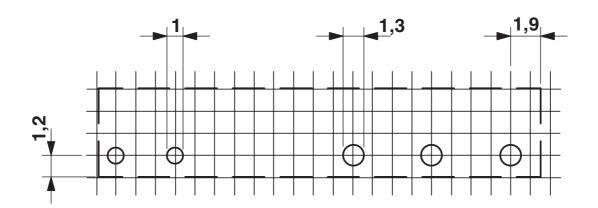




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Drilling plan/solder pad geometry



a = pitch division 1.25 mm and 1.27 mm

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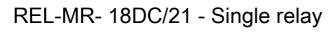
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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/au/products/2961383

	cUL Recognized
.	Approval ID: FILE E 172140
91	UL Recognized Approval ID: FILE E 172140
EAC	EAC Approval ID: RU*C-DE.*08.B.00010
91	UL Recognized
	Approval ID: FILE E 172140
	VDE approval of drawings
<u>6</u>	Approval ID: 40032864
	VDE approval of drawings
	Approval ID: 40054426
.A 1	CUL Recognized Approval ID: FILE E 172140
	VDE approval of drawings Approval ID: 40010212
. A	CUL Recognized Approval ID: FILE E 172140
71	UL Recognized
	Approval ID: FILE E 172140

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Classifications

ECLASS

	ECLASS-13.0	27371601		
E	ГІМ			
	ETIM 9.0	EC001437		
UNSPSC				
	UNSPSC 21.0	39122300		

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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