

Single relay - REL-MR-BL- 24DC/21HC - 2906285


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Plug-in miniature power relay in basic design, with power contact for high continuous currents, 1 PDT, input voltage 24 V DC

RoHS

Key Commercial Data

Packing unit	20 pc
Minimum order quantity	20 pc
GTIN	 4 055626 066943
GTIN	4055626066943
Weight per Piece (excluding packing)	1.000 g
Weight per piece (including packing)	1.000 g
Custom tariff number	85364900
Country of origin	Austria

Technical data

Dimensions

Width	12.7 mm
Height	29 mm
Depth	15.7 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Coil side

Nominal input voltage U_N	24 V DC
Typical input current at U_N	17 mA
Typical response time	8 ms
Typical release time	6 ms
Power dissipation for nominal condition	0.4 W

Single relay - REL-MR-BL- 24DC/21HC - 2906285

Technical data

Contact side

Contact type	1 PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)
Min. switching current	10 mA (at 12 V)
Maximum inrush current	30 A (300 ms)
Limiting continuous current	16 A
Interrupting rating (ohmic load) max.	384 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	4000 VA (for 250 V AC)
Switching capacity	2 A (at 24 V, DC13)
	1.5 A (at 230 V, AC15)

General

Test voltage relay winding/relay contact	5 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	1x 10 ⁷ cycles
Service life, electrical	see diagram
Mounting position	any

Standards and Regulations

Standards/regulations	IEC 60664
	EN 61810-1
Rated insulation voltage	250 V AC
Rated surge voltage	4 kV
Insulation	Basic insulation
Pollution degree	3
Overvoltage category	III

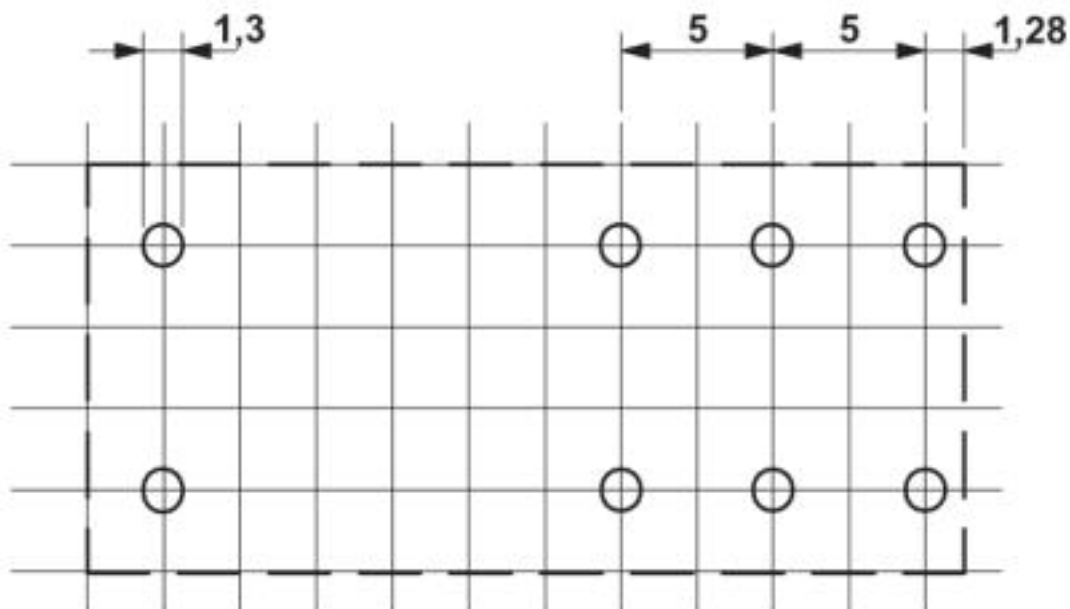
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Single relay - REL-MR-BL- 24DC/21HC - 2906285

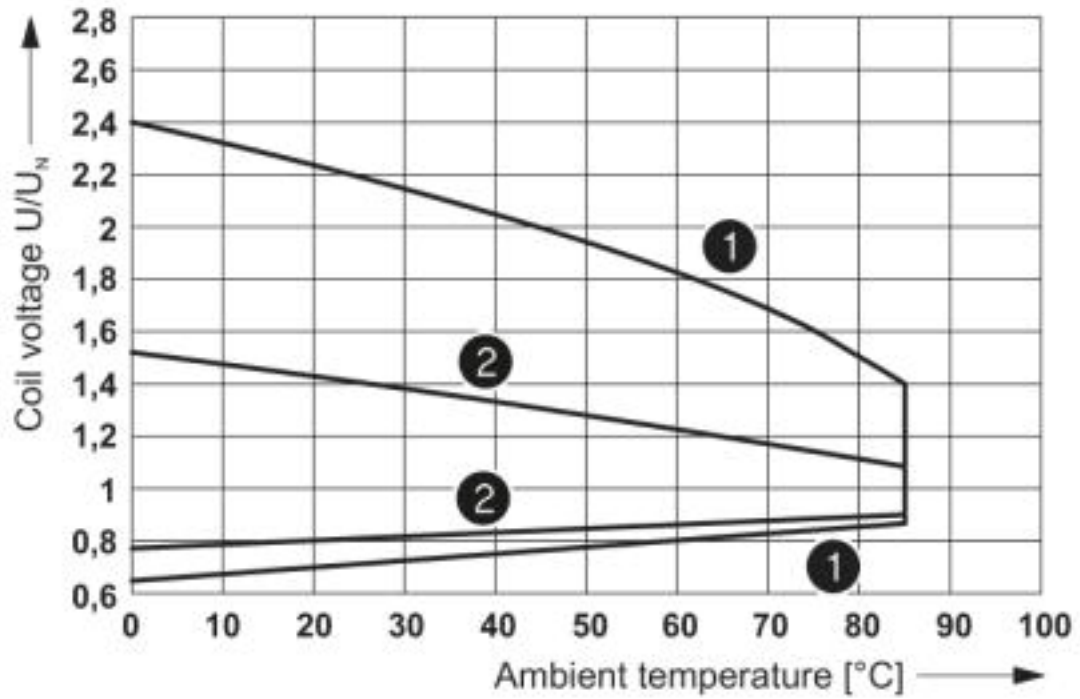
Drilling diagram



Basic pitch 2.5 mm

Single relay - REL-MR-BL- 24DC/21HC - 2906285

Diagram

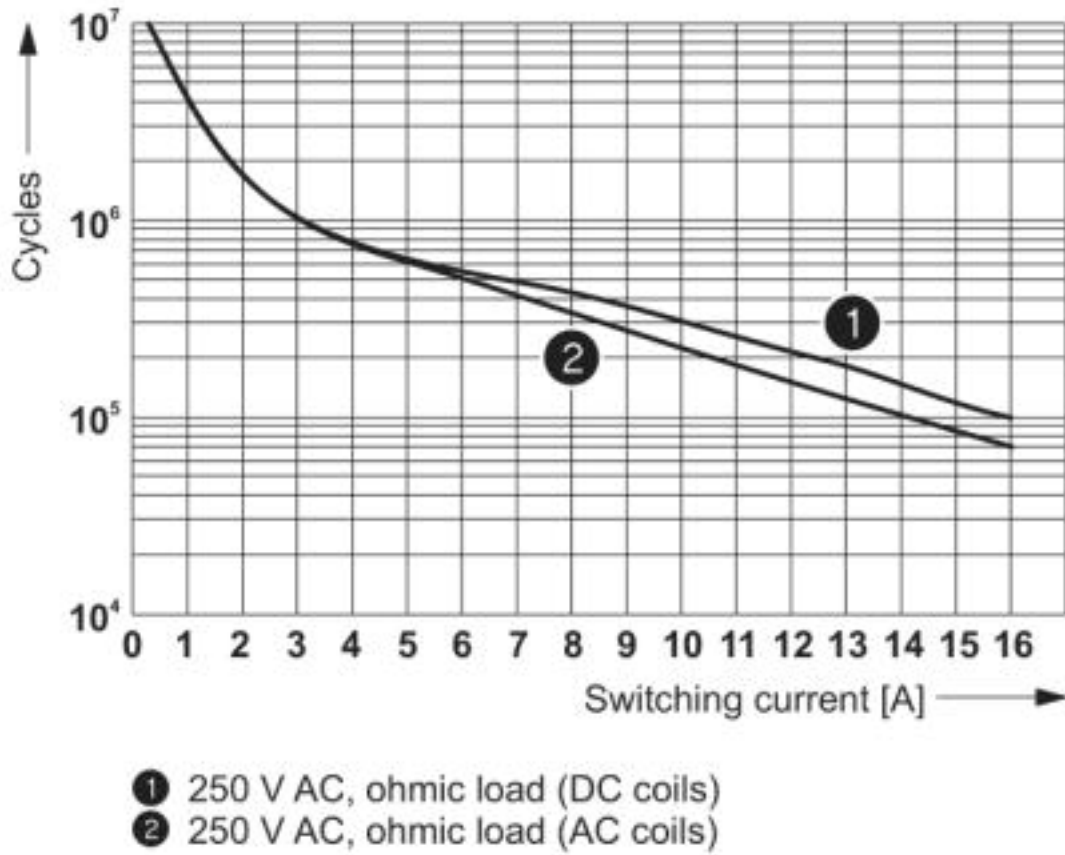


- ① DC coils
- ② AC coils

Operating voltage range

Single relay - REL-MR-BL- 24DC/21HC - 2906285

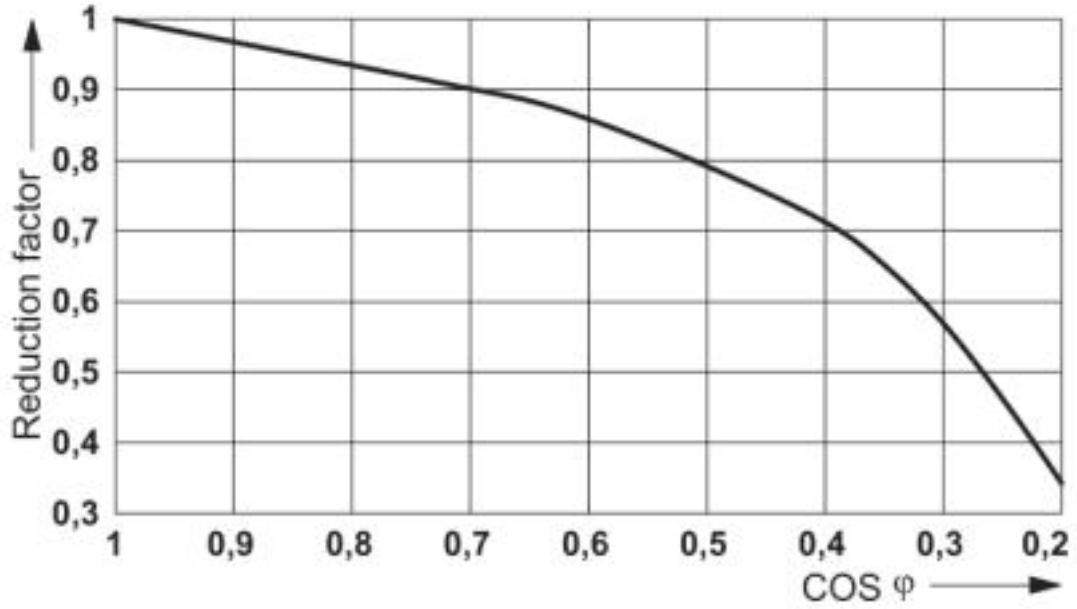
Diagram



Electrical service life

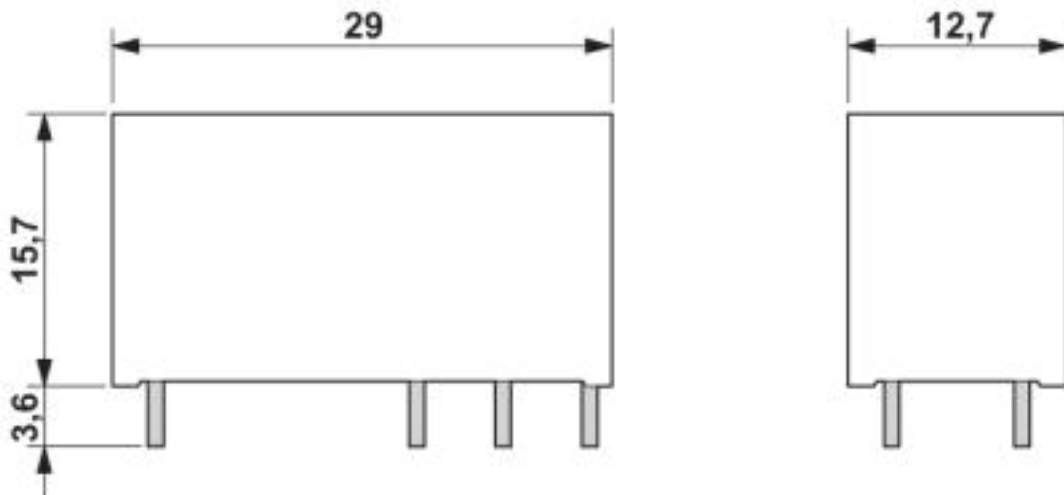
Single relay - REL-MR-BL- 24DC/21HC - 2906285

Diagram



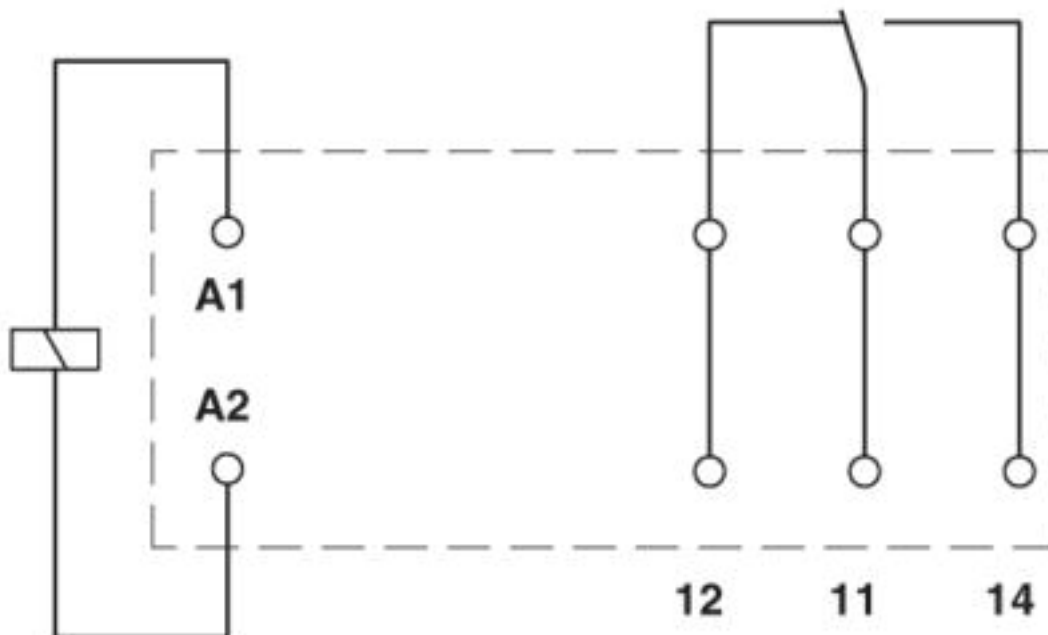
Service life reduction factor with various cos phi

Dimensional drawing



Single relay - REL-MR-BL- 24DC/21HC - 2906285

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515

Single relay - REL-MR-BL- 24DC/21HC - 2906285

Classifications

UNSPSC

UNSPSC 12.01	39121515
UNSPSC 13.2	39122334
UNSPSC 18.0	39122334
UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 228652
---------------	--	---	---------------

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 228652
----------------	--	---	---------------

EAC			TR_TS_D_00573_c
-----	--	--	-----------------

cULus Recognized			
------------------	--	--	--
