

EMG 17-REL/KSR- 24/21-21-LC AU - Relay Module



2941439

<https://www.phoenixcontact.com/ro/produse/2941439>

Vă rugăm să țineți cont de faptul că datele afișate în acest document PDF au fost generate din catalogul nostru online. Datele complete sunt disponibile în documentația pentru utilizator. În cazul descărcărilor, se aplică Termenii și condițiile generale de utilizare ale companiei noastre.



Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): small to large loads, 2 changeover contacts, input voltage 24 V AC/DC

Avantajele dumneavoastră

- Safe isolation between coil and contact side
- Integrated input circuit and interference suppression circuit

Date comerciale

Număr articol	2941439
Unitate de ambalare	10 Bucată
Cantitate minimă pentru comandă	1 Bucată
Cod produs	CK61C2
Pagina de catalog	Pagina 135 (IF-2011)
GTIN	4017918080433
Greutate pe bucată (inclusiv ambalajul)	56,96 g
Greutate pe bucată (fără ambalaj)	56,96 g
Cod tarifar vamal	85364190
Țara de origine	DE

Date tehnice

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
----------	---

Product properties

Product type	Relay Module
Product family	EMG
Application	Universal
Operating mode	100% operating factor
Mechanical service life	approx. 2×10^7 cycles

Data management status

Date of last data management	02.05.2024
Article revision	05

Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
	Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths
Overvoltage category	II
Pollution degree	2

Insulation characteristics: Air clearances and creepage distances between input and contact circuit (or output contact current path)

Insulation	Safe isolation, reinforced insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	0.43 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	1 kV AC (50 Hz, 1 min., changeover contact/changeover contact)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	260 V AC
Rated surge voltage	2.3 kV

Air clearances and creepage distances between input and contact circuit (or output contact current path)

Rated insulation voltage	260 V AC
Rated surge voltage	6 kV

Input data

Coil side

EMG 17-REL/KSR- 24/21-21-LC AU - Relay Module



2941439

<https://www.phoenixcontact.com/ro/produse/2941439>

Nominal input voltage U_N	24 V AC/DC
Input voltage range	19.2 V AC/DC ... 26.4 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U_N	18 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Limiting continuous current	50 mA
Maximum inrush current	0.2 A
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

Switching: when the gold layer is destroyed

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Maximum inrush current	6 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC) 95 W (at 48 V DC) 60 W (at 60 V DC) 40 W (at 110 V DC) 55 W (at 220 V DC) 1250 VA (for 250 V AC)

Connection data

Coil side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Contact side

EMG 17-REL/KSR- 24/21-21-LC AU - Relay Module



2941439

<https://www.phoenixcontact.com/ro/produse/2941439>

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Dimensions

Width	17.5 mm
Height	75 mm
Depth	62.5 mm

Material specifications

Color	green (RAL 6021)
-------	------------------

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Air clearances and creepage distances between the power circuits

Standards/regulations	IEC 60664-1
-----------------------	-------------

Air clearances and creepage distances between input and contact circuit (or output contact current path)

Standards/regulations	IEC 60664-1
-----------------------	-------------

Standards/regulations

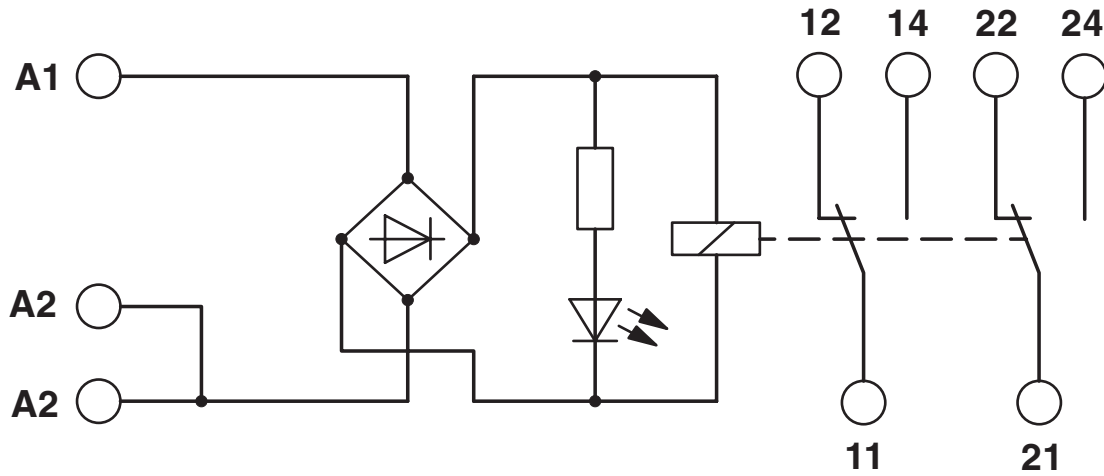
Standards/regulations	EN 61810-1
-----------------------	------------

Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

Desene

Circuit diagram



EMG 17-REL/KSR- 24/21-21-LC AU - Relay Module



2941439

<https://www.phoenixcontact.com/ro/produse/2941439>

Aprobări

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ro/produse/2941439>



cUL Recognized

ID de înregistrare: FILE E 238705



UL Recognized

ID de înregistrare: FILE E 238705



EAC

ID de înregistrare: TR_TS_D_00573_c



EAC

ID de înregistrare: RU*C-DE.*08.B.00010

cULus Recognized

2941439

<https://www.phoenixcontact.com/ro/produse/2941439>

Clasificări

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

ETIM

ETIM 9.0	EC001437
----------	----------

UNSPSC

UNSPSC 21.0	39122300
-------------	----------

Environmental product compliance

EU RoHS

Îndeplinește cerințele conform directivei RoHS	Da
reglementări excepționale, dacă sunt cunoscute	6(c), 7(a)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	Un tabel de declarații China RoHS legat de articol poate fi găsit în zona de descărcare a articolului respectiv la „Declarația producătorului”. Nu se emite și nu este necesar niciun tabel de declarații China RoHS pentru toate articolele EFUP-E.

EU REACH SVHC

Trimitere la substanța candidată REACH (nr. CAS)	Lead(nr. CAS: 7439-92-1)
SCIP	2167c78c-b889-4a19-b711-7a0a9136a928

EMG 17-REL/KSR- 24/21-21-LC AU - Relay Module



2941439

<https://www.phoenixcontact.com/ro/produse/2941439>

Accesorii

EMG-GKS 12 - Marking material

2947035

<https://www.phoenixcontact.com/ro/produse/2947035>



Device marking label, width: 12 mm, area: 12 x 8 mm, e.g. for EML(10x7) R adhesive marking material

Phoenix Contact 2024 © - Toate drepturile rezervate
<https://www.phoenixcontact.com>

PHOENIX CONTACT România
Splaiul Unirii 165 Timpuri Noi Square TNO1, Etaj 1
Bucuresti 030133
+40 21 350 88 12 - 3
sales.ro@phoenixcontact.com