

# EMG 30-SPK-10K LIN - Setpoint adjuster



2942137

<https://www.phoenixcontact.com/us/products/2942137>

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Cascading setpoint value potentiometer, for selecting presettable setpoints via a 24 V control signal, resistance value 10 k $\Omega$

## Commercial data

Item number	2942137
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	C404
Product key	DK1129
GTIN	4017918080624
Weight per piece (including packing)	68.21 g
Weight per piece (excluding packing)	68.21 g
Customs tariff number	85334010
Country of origin	DE

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## Technical data

### Product properties

Product type	Setpoint potentiometer
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### Electrical properties

Test voltage relay winding/relay contact	1 kV AC
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### Input data

#### Coil side

Nominal input voltage $U_N$	24 V $\pm$ 25 %
Typical response time	< 10 ms
Typical release time	< 10 ms
Protective circuit	Damping diode, polarity protection diode
Operating voltage display	yes

#### Potentiometer

Potentiometer, resistance value	10 k $\Omega$ $\pm$ 20 %
Linearity	5 % (of final value)
Potentiometer, current-carrying capacity	0.5 W

### Output data

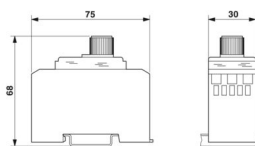
#### Switching:

Contact material	Fixed contacts: Silver palladium (AgPdAu), 3 $\mu$ m hard gold-plated
	Mobile contacts: Silver palladium (AgPd)
Maximum switching voltage	10 V (depending on application)
Mechanical service life	> 2x 10 <sup>7</sup> cycles

### Connection data

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

### Dimensions

Dimensional drawing	
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Width	30 mm
Height	75 mm
Depth	68 mm

## Material specifications

Color	green (RAL 6021)
Housing material	Polycarbonate fiber reinforced PC-F

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	0 °C ... 40 °C
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## Mounting

Mounting type	DIN rail mounting
Mounting position	any

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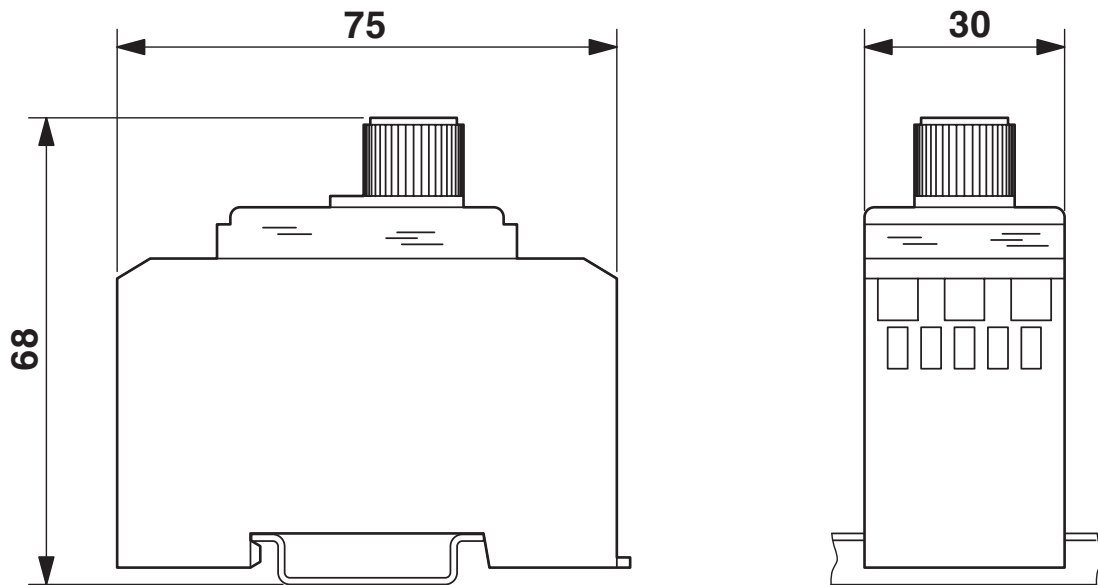
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## Drawings

Dimensional drawing

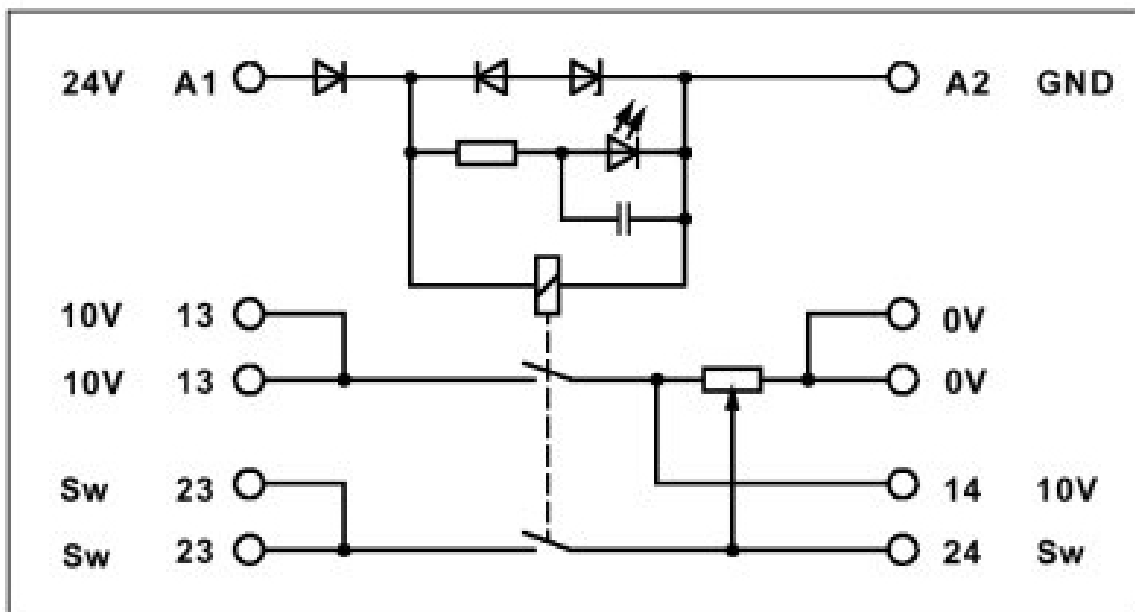


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Block diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2942137>



**EAC**

Approval ID: RU C-DE.A\*30.B.01082

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## Classifications

### ECLASS

ECLASS-13.0	27371227
ECLASS-15.0	27371227

### ETIM

ETIM 10.0	EC001027
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### UNSPSC

UNSPSC 21.0	41113600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	34, 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	bbdaa46c-ba0a-48bb-bfca-6ced2a705466

### EF3.1 Climate Change

CO2e kg	1.802 kg CO2e
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