

EG-Series EGR EG7 24VDC 1A

Weidmüller Interface GmbH & Co. KG

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Relays are available in different forms – from modular terminal enclosures to plug-in bases for terminal rail mounting.

For switching and amplification of digital signals in automation engineering as well as for electrical isolation between control and load circuit.

The input voltages (coil voltage) lie between 5 and 230 V AC/DC depending on type. Different types of contacts such as NOC,

NCC and CO contacts are available at the output. The use of different contact materials enables the switching of power ratings from just a few mW to max. 4 kVA.

General ordering data

Delivery status	Discontinued
Available until	2012-12-31
Type	EGR EG7 24VDC 1A
Order No.	8216520000
Version	EG-Series, Relay module, No. of contacts: 1 NO contact AgNi 0.15 gold flashed, Rated control voltage: 24 V DC +15 % / -10 %, Continuous current: 5 A, Screw connection
GTIN (EAN)	4008190190439
Qty.	10 pc(s).
Alternative product	1122770000

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Technical data
Dimensions and weights

Width	10 mm	Width (inches)	0.394 inch
Height	44.5 mm	Height (inches)	1.752 inch
Depth	92 mm	Depth (inches)	3.622 inch
Net weight	44.31 g		

Temperatures

Operating temperature	-25 °C...60 °C	Ambient temperature	-25 °C...+60 °C
Storage temperature	-40 °C...60 °C		

Input

Rated control voltage	24 V DC +15 % / -10 %	Rated control voltage	24 V DC + 15 % / - 10 %
Power rating	280 mW +20 % -10 %	Status indicator	Green LED

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	5 A
Inrush current	8 A	AC switching capacity (resistive), max.	1250 VA
DC switching capacity (resistive), max.	120 W @ 24 V	Switch-on delay	≤ 8 ms
Switch-off delay	≤ 6 ms	Duration of Bounce	< 1 ms
Min. switching power	10 mA @ 10 V	Max. switching frequency at rated load	0.1 Hz
Max. switching current	8 A		

Contact data

Contact type	1 NO contact (AgNi 0.15 gold flashed)	Electrical service life of AC coil	≥ 2x10 ⁶ (24 V DC, 1.1 A inductive load) switching cycles with free-wheel diode
Electrical service life, DC coil	> 2x10 ⁵ (24Vdc, 1.1A, inductive load) switching cycles	Mechanical service life	> 15 x 10 ⁶ switching cycles

Insulation coordination

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≥ 8 mm
Creepage and clearance distance input - output	≥ 8 mm	Creepage and clearance distances between contacts	8 mm
Dielectric strength for control side - load side	8 kV	Dielectric strength input - output	4 kV _{eff}
Impulse withstand voltage	8 kV	Protection degree	IP20
Pollution severity	2	Surge voltage category	III

Further details of approvals / standards

Standards	DIN EN 50178
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Connection data

Wire connection method	Screw connection	Clamping range, rated connection	1.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Clamping range, rated connection, max.	1.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 16
Wire cross-section, solid, min.	0.5 mm ²	Wire cross-section, solid, max.	1.5 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	1.5 mm ²
Blade size	0.6 x 3.5 mm		

Classifications

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	EC001437
UNSPSC	30-21-19-17	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

Approvals

Approvals



ROHS

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