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ENERGY AND AUTOMATION

HR302CD012

MINIATURE RELAY, 12VDC, 8A, 2C/O CONTACT. FITTING ON SOCKET HR5XS2...



Contact characteristics			
Contact configuration			2 C/O
Rated insulation voltage Ui IEC/EN		V	250
Rated impulse withstand voltage Uimp		kV	6
IEC Conventional free air thermal current Ith ≤ 40°C		A	8
Maximum instantaneous current		A	20
Rated current (In)		A	8
Max contrallable power in			
	AC-1	W	2000
	AC-15	VA	150
Rated operating power AC-1			
		VA	2000
Rated operating power AC-15			
	230 VAC	VA	150
Single-phase motor control			
	230VAC	kW	0.2
Rated operating current DC-1			
	30V	A	8
	110V	A	0.3
	220V	A	0.1
Minimum switching load		V / mA	5 / 100
Contact impedance		mΩ	100
Contact material			AgSnO2
Operating times			
Closing		ms	10
Opening		ms	5
Operations			
Mechanical life		cycles	10000000
Electrical life AC1		cycles	50000
Coil characteristics			
Relay control voltage		V	12VDC
Average coil consumption AC at 20°C		VA	0.9
Average coil consumption DC at 20°C		W	0.45
Operating range			
	Closing	% Un	75…110
	Opening	% Un	10…30
Maximum cycle frequency		cycles/h	3600
Mechanical features			
Max socket terminal tightening torque		Nm	0.6
Socket screw tightening tool (cross / flat blade)			PH1 / 4.5mm
Conductor section			
AWG/Kcmil			
	min		20
	max		14
IEC			

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	min	mm²	0.5
	max	mm²	2.5
Operating position			
	normal		Any
Fixing			On 35mm DIN rail and with screw

Ambient conditions

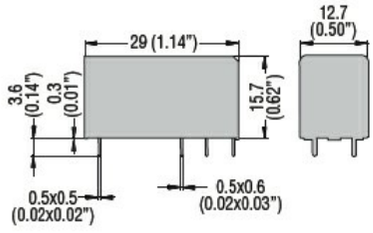
Temperature

Operating temperature			
	min	°C	-40
	max	°C	+70
Storage temperature			
	min	°C	-40
	max	°C	+85

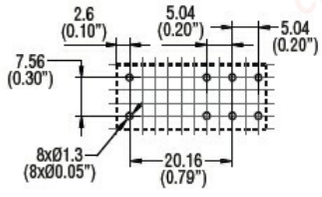
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

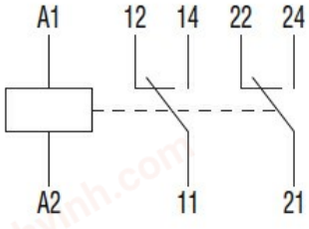
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA
cURus
EAC
VDE

ETIM classification

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ETIM 8.0

EC001437 -
Switching relay

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