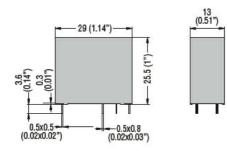




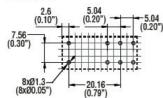
Product designation RELAYS Product type designation RELAYS Relay Control voltage UII EC/EN V 250 Rated insulation voltage UII EC/EN V 250 Rated current (In) A 5 Rated current (In) A 5 Rated current (In) A 5 Rated control voltage OV V 230VAC Max contrallable power in AC-1 W 1250 Rated operating power AC-1 V A 1250 Rated operating power AC-1 V A 1250 Contact impedance Max Solve V A 1 Operating imes Coll characteristics Average coil consumption AC at 20°C VA 1 Operating range Closing % Un 80110 Operating range Closing % Un 80110 Operating ing co (cross / flat blade) Conductor section AWG/Kcmil Min mm² 0.5 Max mm² 2.5 Operating position Normal Any				MINIATURE
Product type designation HR402C Contact configuration 2 C/O Rated insulation voltage Uinp kV 4 EC Conventional free air thermal current Ith A 5 Rated operating power In A 5 Rated operating power AC-1 W 1250 Rated operating power AC-1 V 1250 Rated operating power AC-1 VA 1250 Single-phase motor control V////////////////////////////////////	Product designation			
Contact configuration 2 C/O Rated insulation voltage Ui IEC/EN V 250 Rated inpulse withstand voltage Uimp kV 4 IEC Conventional free air thermal current Ith A 5 Rated zorrent (In) A 5 Relay control voltage V 230VAC Max contrallable power in AC-1 W 1250 Rated operating power AC-1 VA 1250 Single-phase motor control 230VAC kW 0.12 Minimum switching load V /mA 5/100 Contact impedance Contact material AgSnO2 Operating filmes	Product type designation			
Rated insulation voltage Ui IEC/EN V 250 Rated impulse withstand voltage Uimp KV 4 IEC Conventional free air thermal current lth A 5 Rated current (n) A 5 Rated current (n) A 5 Rated current (n) A 5 Rated operating power AC-1 V 230VAC Max contrallable power in AC-1 W 1250 Rated operating power AC-1 VA 1250 Minimum switching load V / mA 5 / 100 Contact impedance mΩ 50 Contact material AgSnO2 Operating times Closing ms<<10	Contact characteristics			
Rated impulse withstand voltage Uimp kV 4 IEC Conventional free air thermal current lth A 5 Rated current (In) A 5 Relay control voltage V 230VAC Max contrallable power in AC-1 W 1250 Rated operating power AC-1 VA 1250 Single-phase motor control 230VAC kW 0.12 Minimum switching load V / mA 5 / 100 Contact impedance AgSnO2 Operating times Contact material AgSnO2 Operating times Colosing 0000000 Closing ms<<20	Contact configuration			2 C/O
$\begin{tabular}{ c c c c } \hline IEC Conventional free air thermal current lth A 5 \\ \hline Rated current (In) A 5 \\ \hline Relay control voltage V 230VAC \\ \hline Max contrallable power in \\ \hline AC-1 W 1250 \\ \hline Rated operating power AC-1 \\ \hline VA 1250 \\ \hline Single-phase motor control \\ \hline 230VAC kW 0.12 \\ \hline Minimum switching load V / mA 5 / 100 \\ \hline Contact impedance M 50 \\ \hline Contact material A 250 \\ \hline Operating times \\ \hline Closing M 50 \\ \hline Contact material A 250 \\ \hline Operating times \\ \hline Closing M 50 \\ \hline Contact material A 250 \\ \hline Operations \\ \hline Mechanical life A C1 \\ \hline Cycles 1000000 \\ \hline Electrical life A C1 \\ \hline Cycles 1000000 \\ \hline Coll characteristics \\ \hline Average coll consumption AC at 20°C VA 1 \\ \hline Operating range \\ \hline Closing % Un 80 \\ \hline Maximum cycle frequency \\ \hline Max socket terminal tightening torque \\ \hline Max socket terminal tightening torque \\ \hline Max socket terminal tightening torque \\ \hline Average coli consumption (cross / flat blade) \\ \hline Conductor section \\ \hline AWG/Kcmil \\ \hline IEC \\ \hline min mm^2 0.5 \\ \hline max mm^2 0.5 \\ \hline ma$			V	250
Rated current (In) A 5 Relay control voltage V 230VAC Max contrallable power in AC-1 W 1250 Rated operating power AC-1 VA 1250 Single-phase motor control 230VAC KW 0.12 Minimum switching load V / mA 5 / 100 Contact impedance MQ 50 Contact impedance mS <20	Rated impulse withstand voltage Uimp		kV	4
Relay control voltage V 230VAC Max control voltage AC-1 W 1250 Rated operating power AC-1 VA 1250 Single-phase motor control 230VAC kW 0.12 Minimum switching load V / mA 5 / 100 Contact impedance mΩ 50 Contact impedance mΩ 50 AgSnO2 Operating imes Closing ms<	IEC Conventional free air thermal current Ith		А	5
Max contrallable power in AC-1 W 1250 Rated operating power AC-1 VA 1250 Single-phase motor control 230VAC kW 0.12 Minimum switching load V/mA 5 / 100 Contact impedance mQ 50 Contact impedance mQ 50 Contact impedance AgSnO2 Operating times 20 Operating times 20 Coperating times 20 Coperating times 20 0 Operations 100 00000 Electrical life AC1 cycles 10000000 Electrical life AC1 cycles 1000000 Electrical life AC1 cycles 1000000 Electrical life AC1 cycles 1000000 Electrical life AC1 cycles 10 Max socket terminal tightening torque VA 1 Coperating range VA 1 Coperating AC Max socket terminal tightening torque Nm <	Rated current (In)		А	5
AC-1 W 1250 Rated operating power AC-1 VA 1250 Single-phase motor control 230VAC kW 0.12 Minimum switching load V/mA 5/100 50 Contact impedance mΩ 50 50 Contact material AgSnO2 AgSnO2 Operating times	Relay control voltage		V	230VAC
Rated operating power AC-1 VA 1250 Single-phase motor control 230VAC kW 0.12 Minimum switching load V / mA 5 / 100 Contact impedance mΩ 50 Contact material AgSnO2 Operating times	Max contrallable power in			
VA 1250 Single-phase motor control 230VAC kW 0.12 Minimum switching load V / mA 5 / 100 Contact impedance mQ 50 Contact impedance mQ 50 Contact material AgSnO2 Operating times		AC-1	W	1250
VA 1250 Single-phase motor control 230VAC kW 0.12 Minimum switching load V / mA 5 / 100 Contact impedance mQ 50 Contact impedance mQ 50 Contact material AgSnO2 Operating times	Rated operating power AC-1			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			VA	1250
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Single-phase motor control			
Contact impedance mΩ 50 Contact material AgSnO2 Operating times ms <20		230VAC	kW	0.12
Contact impedance mΩ 50 Contact material AgSnO2 Operating times	Minimum switching load		V/mA	5 / 100
Contact material AgSnO2 Operating times ms <20			mΩ	50
Operating times ms <20				
Closing ms <20 Opening ms <10	Operating times			Ū.
Opening ms <10			ms	<20
Operations Mechanical life cycles 1000000 Electrical life AC1 cycles 100000 Coil characteristics Average coil consumption AC at 20°C VA 1 Operating range Closing % Un 80110 Operating range Closing % Un >10 Maximum cycle frequency cycles/h 1800 Mechanical features VA 1 Max socket terminal tightening torque Nm 0.6 Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm Conductor section AWG/Kcmil min 20 IEC min mm² 0.5 max min 2.5 0.5 Operating position Upperating position 0.5			ms	<10
Electrical life AC1 cycles 100000 Coil characteristics Average coil consumption AC at 20°C VA 1 Operating range Closing % Un 80110 Maximum cycle frequency cycles/h 1800 Mechanical features Max socket terminal tightening torque Nm 0.6 Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm PH1 / 4.5mm Conductor section AWG/Kcmil min 20 Max 14 IEC min 20 Operating position Operating position 2.5 0.5	· •			
Electrical life AC1 cycles 100000 Coil characteristics Average coil consumption AC at 20°C VA 1 Operating range Closing % Un 80110 Maximum cycle frequency cycles/h 1800 Mechanical features Max socket terminal tightening torque Nm 0.6 Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm PH1 / 4.5mm Conductor section AWG/Kcmil min 20 Max 14 IEC min mm² 0.5 Operating position Operating position Min Min 0.5	Mechanical life		cycles	1000000
Coil characteristics Average coil consumption AC at 20°C VA 1 Operating range Closing % Un 80110 Opening % Un 80110 Opening % Un >10 Maximum cycle frequency cycles/h 1800 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 min 20 max 14 Operating position Operating position Socket screw tight	Electrical life AC1			100000
Operating range Closing % Un 80110 Opening % Un >10 Maximum cycle frequency cycles/h 1800 Mechanical features Max socket terminal tightening torque Max socket terminal tightening torque Nm 0.6 Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm Conductor section AWG/Kcmil IEC min mm² 0.5 max mm² 2.5 Operating position Vertical flat	Coil characteristics			
Closing Opening % Un 80110 Maximum cycle frequency cycles/h 1800 Mechanical features Max socket terminal tightening torque Nm 0.6 Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm PH1 / 4.5mm Conductor section AWG/Kcmil min 20 IEC min mm² 0.5 Max mm² 2.5 Operating position IEC Imax mm²	Average coil consumption AC at 20°C		VA	1
Opening % Un >10 Maximum cycle frequency cycles/h 1800 Mechanical features Max socket terminal tightening torque Nm 0.6 Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm PH1 / 4.5mm Conductor section AWG/Kcmil min 20 IEC min 14 Operating position 0.5 max	Operating range			
Opening % Un >10 Maximum cycle frequency cycles/h 1800 Mechanical features Max socket terminal tightening torque Nm 0.6 Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm PH1 / 4.5mm Conductor section AWG/Kcmil min 20 IEC min 14 Operating position 0.5 max		Closing	% Un	80110
Maximum cycle frequency cycles/h 1800 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 14 IEC min mm² 0.5 Max mm² 2.5		-	% Un	>10
Mechanical features Nm 0.6 Max socket terminal tightening torque Nm 0.6 Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm Conductor section AWG/Kcmil min	Maximum cycle frequency	· •	cycles/h	1800
Socket screw tightening tool (cross / flat blade) PH1 / 4.5mm Conductor section AWG/Kcmil min 20 max 14 IEC min mm² max 0.5 max mm² 2.5 Operating position Vertical and the second and the				
Conductor section AWG/Kcmil min 20 max 14 IEC min mm² max mm² 2.5	Max socket terminal tightening torque		Nm	0.6
Conductor section AWG/Kcmil min 20 max 14 IEC min mm² max mm² 2.5 Operating position MC/Kcmil MC/Kcmil	Socket screw tightening tool (cross / flat blade)			PH1 / 4.5mm
min 20 max 14 IEC min mm² 0.5 max mm² 2.5				
min 20 max 14 IEC min mm² 0.5 max mm² 2.5	AWG/Kcmil			
max 14 IEC min mm² 0.5 max mm² 2.5		min		20
min mm² 0.5 max mm² 2.5		max		14
max mm² 2.5 Operating position Image: Compared and the second	IEC			
Operating position		min	mm²	0.5
		max	mm²	2.5
normal Any	Operating position			
		normal		Any



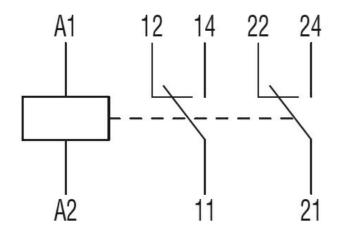
Fixing				On 35mm DIN rail and with screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+85
	Storage temperature			
		min	°C	-40
		max	°C	+85
Other features				
Indication				No
Mechanical contact p	osition indicator			No
Mechanical test actua	ator			No
Dimensions				



PCB layout



Wiring diagrams



Certifications and compliance

Certificates

cURus

IEC/EN 61810

ETIM classification

HR402CA110

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



HR402CA110 MINIATURE RELAY, 110/120VAC, 5A, 2C/O CONTACT. FITTING ON SOCKET HR5XS2...

ETIM 8.0

EC001437 – Switching relay