



Interface-Relay-Compact (IRC) Complete, Consisting of base IRCO... with screw connection and pluggable miniature relay PRC... with power contact, Mounting type: Mounting rail TS 35, 1 CO contact, Input voltage: 6 VAC/DC

Business data

Article number	16250.2
Article name	IRCOU 1/6V AC/DC
GTIN (EAN)	4044211200015
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	37.6 g
Weight per piece (including packaging)	37.6 g
Unit of weight	G
Customs number	85364900
Country of origin	DE
Product description	Relay terminal

Data sheet





Dimensions		
Length 87 mm Width 6.2 mm Height TS 35 / 7.5 with BA 90.7 mm Rated voltage Un 6 VAC/DC - Overvoltage category III Contamination degree 3 Connection data Connection principle Connection single core (rigid), min. 0.2 mm² Wire cross-section single-core (rigid), max. 2.5 mm² Wire cross-section stranded, min. 0.2 mm² Wire cross-section stranded, max. 2.5 mm² Stripping length 10 mm Torque 0.5 Nm Input data Input data Holding current 0.6 Un - Drop-out voltage 0.1 Un Operating range 0.8-1,1 Un Power consumption 0,2 W Output data 230 / 400 VAC Switching voltage / switching voltage max. 230 / 400 VAC Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) 60x10° <	Technical data	
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Retings Rated voltage Un	Length	87 mm
Ratings Rated voltage Un 6 VAC/DC - Overvoltage category III Connection data Screw connection Connection principle Screw connection Wire cross-section single core (rigid), min. 0.2 mm² Wire cross-section stranded, min. 0.2 mm² Wire cross-section stranded, max. 2.5 mm² Stripping length 10 mm Torque 0.5 Nm Input data Holding current 0,6 Un - Drop-out voltage 0,1 Un Operating range 0,8-1,1 Un Power consumption 0,2 W Output data Switching voltage / switching voltage max. 230 / 400 VAC Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) 60x10³ Mechanical lifespan 10x10° Contact load, min. 500 mW Bounce time at close of the NO/INC contact 3/8 ms Materials Contac	Width	6.2 mm
Rated voltage Un 6 VAC/DC - Overvoltage category III Connection data 3 Connection principle Screw connection Wire cross-section single core (rigid), min. 0.2 mm² Wire cross-section stranded, min. 0.2 mm² Wire cross-section stranded, min. 0.2 mm² Wire cross-section stranded, max. 2.5 mm² Stripping length 10 mm Torque 0.5 Nm Input data Holding current Holding current 0,6 Un - Drop-out voltage 0.1 Un Operating range 0,8-1,1 Un Power consumption 0,2 W Output data Switching voltage / switching voltage max. 230 / 400 VAC Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) 60x10³ Mechanical lifespan 10x10° Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Material	Height TS 35 / 7.5 with BA	90.7 mm
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Contamination degree 3 Connection data Screw connection Wire cross-section single core (rigid), min. 0.2 mm² Wire cross-section single-core (rigid), max. 2.5 mm² Wire cross-section stranded, min. 0.2 mm² Wire cross-section stranded, max. 2.5 mm² Stripping length 10 mm Torque 0.5 Nm Input data Input data Holding current 0,6 Un - Drop-out voltage 0.1 Un Operating range 0,8-1,1 Un Power consumption 0,2 W Output data Switching voltage / switching voltage max. 230 / 400 VAC Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) 60x10³ Mechanical lifespan 10x106 Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials AgNi Flammability class UL 94 V-2 Working tem	Rated voltage Un	6 VAC/DC -
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Wire cross-section stranded, min. Wire cross-section stranded, max. 2.5 mm² Stripping length 10 mm Torque 0.5 Nm Input data Holding current O,6 Un - Drop-out voltage 0.1 Un Operating range 0,8-1,1 Un Power consumption Output data Switching voltage / switching voltage max. Switching voltage / switching voltage max. Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. Electrical lifespan (AC1) Mechanical lifespan Contact load, min. Bounce time at close of the NO/NC contact Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min.	Wire cross-section single core (rigid), min.	0.2 mm ²
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Input data Holding current Drop-out voltage O.1 Un Operating range O,8-1,1 Un Power consumption Output data Switching voltage / switching voltage max. Continuous current max. / Inrush current max. Contact configuration 1 NO contact Switching capacity, max. Electrical lifespan (AC1) Mechanical lifespan 10x10° Contact load, min. Bounce time at close of the NO/NC contact Materials Contact material Flammability class UL 94 V-2 Working temperature, min. O,6 Un - O,7 Un - O,7 Un - O,8 Un - O,8 Un - O,8 Un - O,6 Un - O,7 Un - O,7 Un - O,8 Un - O,9 Un - O	Stripping length	10 mm
Holding current Drop-out voltage O.1 Un Operating range O,8-1,1 Un Power consumption Output data Switching voltage / switching voltage max. Switching voltage / switching voltage max. Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) Mechanical lifespan 10x106 Contact load, min. 500 mW Bounce time at close of the NO/NC contact Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min. -40 °C	Torque	0.5 Nm
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Operating range 0,8-1,1 Un Power consumption 0,2 W Output data Switching voltage / switching voltage max. 230 / 400 VAC Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) 60x10³ Mechanical lifespan 10x106 Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min40 °C	Holding current	0,6 Un -
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Output data Switching voltage / switching voltage max. 230 / 400 VAC Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) 60x10³ Mechanical lifespan 10x106 Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min40 °C	Operating range	0,8-1,1 Un
Switching voltage / switching voltage max. Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) Mechanical lifespan 10x106 Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min. 230 / 400 VAC 230 / 400 VAC 240 VAC 250 NA AgNi -40 °C	Power consumption	0,2 W
Continuous current max. / Inrush current max. 6 / 10 A Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) 60x10³ Mechanical lifespan 10x106 Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min40 °C	Output data	
Contact configuration 1 NO contact Switching capacity, max. 1500 VA Electrical lifespan (AC1) 60x10³ Mechanical lifespan 10x106 Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min40 °C	Switching voltage / switching voltage max.	230 / 400 VAC
Switching capacity, max. Electrical lifespan (AC1) Mechanical lifespan 10x10 ⁶ Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 Working temperature, min. 1500 VA 60x10 ³ 10x10 ⁶ 500 mW AgNi V-2	Continuous current max. / Inrush current max.	6 / 10 A
Electrical lifespan (AC1) 60x10³ Mechanical lifespan 10x106 Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min40 °C	Contact configuration	1 NO contact
Mechanical lifespan Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min. 10x10° 500 mW AgNi V-2	Switching capacity, max.	1500 VA
Contact load, min. 500 mW Bounce time at close of the NO/NC contact 3/8 ms Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min40 °C	Electrical lifespan (AC1)	60x10 ³
Bounce time at close of the NO/NC contact Materials Contact material Flammability class UL 94 Working temperature, min. 3/8 ms AgNi V-2	Mechanical lifespan	10×10 ⁶
Materials Contact material AgNi Flammability class UL 94 V-2 Working temperature, min40 °C	Contact load, min.	500 mW
Contact material AgNi Flammability class UL 94 V-2 Working temperature, min40 °C	Bounce time at close of the NO/NC contact	3/8 ms
Flammability class UL 94 V-2 Working temperature, min40 °C	Materials	
Working temperature, min40 °C	Contact material	AgNi
	Flammability class UL 94	V-2
Working temperature, max. 70 °C	Working temperature, min.	-40 °C
	Working temperature, max.	70 °C

Data sheet

16250.2 IRCOU 1/6V AC/DC





Technical data Further technical data Degree of protection **IP20** Status display Insulation voltage coil/contact 1 kV 12 / 5 ms Response/release time 4 kV Insulation voltage contact/contact Vibration resistance NO/NC 10/5 g **Environmental Product Compliance REACH Conform** yes **REACH Reference date** 2023-06-14 **REACH Candidate Substance Note** No **RoHS Conform** yes

Data sheet 16250.2 IRCOU 1/6V AC/DC



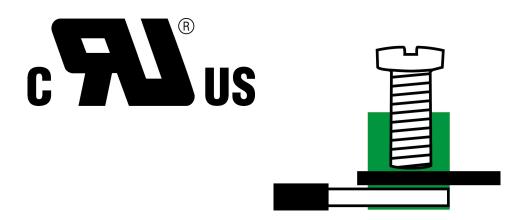
Approvals	
Standards and regulations	
CE compliant	yes
cUL approval	CSA-C22.2 No. 14
UL approval	UL 508
UL Recognized	1
cUL Recognized	1

Data sheet





Media



Data sheet 16250.2 IRCOU 1/6V AC/DC



Accessories

Cross-connector

External cross-connector insulated for Interface-Relay-Compact (IRC), 16-pole, can be shortened, Voltage: 250 V, Current: 6 A

Article number	Article name	GTIN (EAN)	Packaging unit
16209.4	AQI/IRC/16 BK	4044211187651	10

Quick marking



Device and installation markers / Maxicard, Length: 6 mm, Width: 12 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
3884.7	MC GS 6x12 R WH	4044211154547	600 ST



Device and installation markers / Maxicard, Length: 6 mm, Width: 12 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
3884.7	MC GS 6x12 R WH	4044211154547	600 ST



Device and installation markers / Maxicard, Length: 6 mm, Width: 12 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
3885.7	MC GS 6x12 R So WH	4044211154554	600 ST

Screwdriver

Screwdriver with bare blade, Colour: Black-grey

ECOTECUP TO NO. JALOUS	Article number	Article name	GTIN (EAN)	Packaging unit
	1086.0	SDB 0,6x3,5	4044211014797	1 ST

Relays

Data sheet 16250.2 IRCOU 1/6V AC/DC





Plug-in miniature power relay, With power contact, 1 CO contact, Input voltage: 5 VDC

Article number	Article name	GTIN (EAN)	Packaging unit
15500.2	PRC 1/5V DC	4044211118174	10 ST

Adapter



Plug adapter for Interface-Relay-Compact (IRC), ribbon plug-in connector, 14-poles, according to IEC 60603-13, for 8 relay channels, Positive switching, Rated voltage: 24 VDC

Article number	Article name	GTIN (EAN)	Packaging unit
16229.2	FCA/IRC	4044211187682	10 ST

Partition plate



Partition plate for Interface-Relay-Compact (IRC) for separating relay blocks, variable width: 1.5 or 6.2 mm

Article number	Article name	GTIN (EAN)	Packaging unit
16228.2	TW/IRC	4044211187675	10 ST