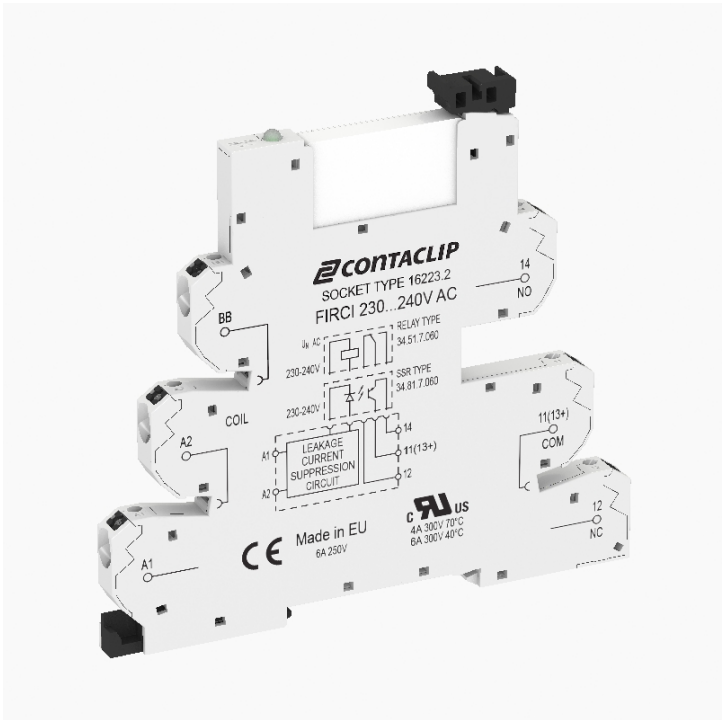# Data sheet
16275.2 FIRCIU 1/6V AC/DC

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

Business data

Article number	16275.2
Article name	FIRCIU 1/6V AC/DC
GTIN (EAN)	4044211200541
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	34.6 g
Weight per piece (including packaging)	34.6 g
Unit of weight	G
Customs number	85364900
Country of origin	DE
Product description	Relay terminal

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Technical data

Dimensions

Length	94.3 mm
Width	6.2 mm
Height TS 35 / 7.5 with BA	90.7 mm

Ratings

Rated voltage Un	6 VAC/DC -
Overvoltage category	III
Contamination degree	3

Connection data

Connection principle	Push-in 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	8 mm

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 CO contact
Switching capacity, max.	1500 VA
Electrical lifespan (AC1)	60×10^3
Mechanical lifespan	10×10^6
Contact load, min.	50 mW
Bounce time at close of the NO/NC contact	3/8 ms

Materials

Contact material	AgSnO2+Au
Flammability class UL 94	V-2
Working temperature, min.	-40 °C
Working temperature, max.	70 °C

Data sheet

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Technical data

Further technical data

Degree of protection	IP20
Status display	✓
Insulation voltage coil/contact	1 kV
Response/release time	12 / 5 ms
Insulation voltage contact/contact	4 kV
Vibration resistance NO/NC	10/5 g

Environmental Product Compliance

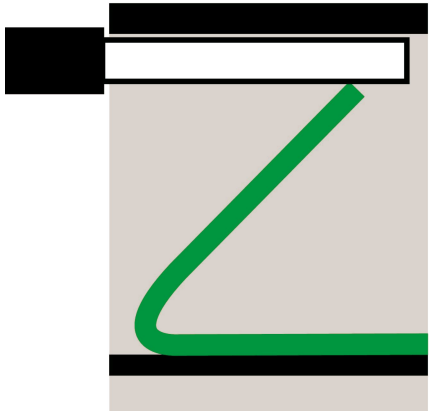|	
REACH Conform	yes
REACH Reference date	2023-06-14
REACH Candidate Substance Note	No
RoHS Conform	yes

Data sheet

16275.2 FIRCIU 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

Media

Data sheet

16275.2 FIRCIU 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

Article number	Article name	GTIN (EAN)	Packaging unit
1086.0	SDB 0,6x3,5	4044211014797	1 ST

Relays

Data sheet

16275.2 FIRCIU 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

Connection adapter for Interface-Relay-Compact (IRC) with Push-In connection, connection doubler to 2x1.5mm²

Article number	Article name	GTIN (EAN)	Packaging unit
16354.2	DCA/FIRC	4044211204655	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