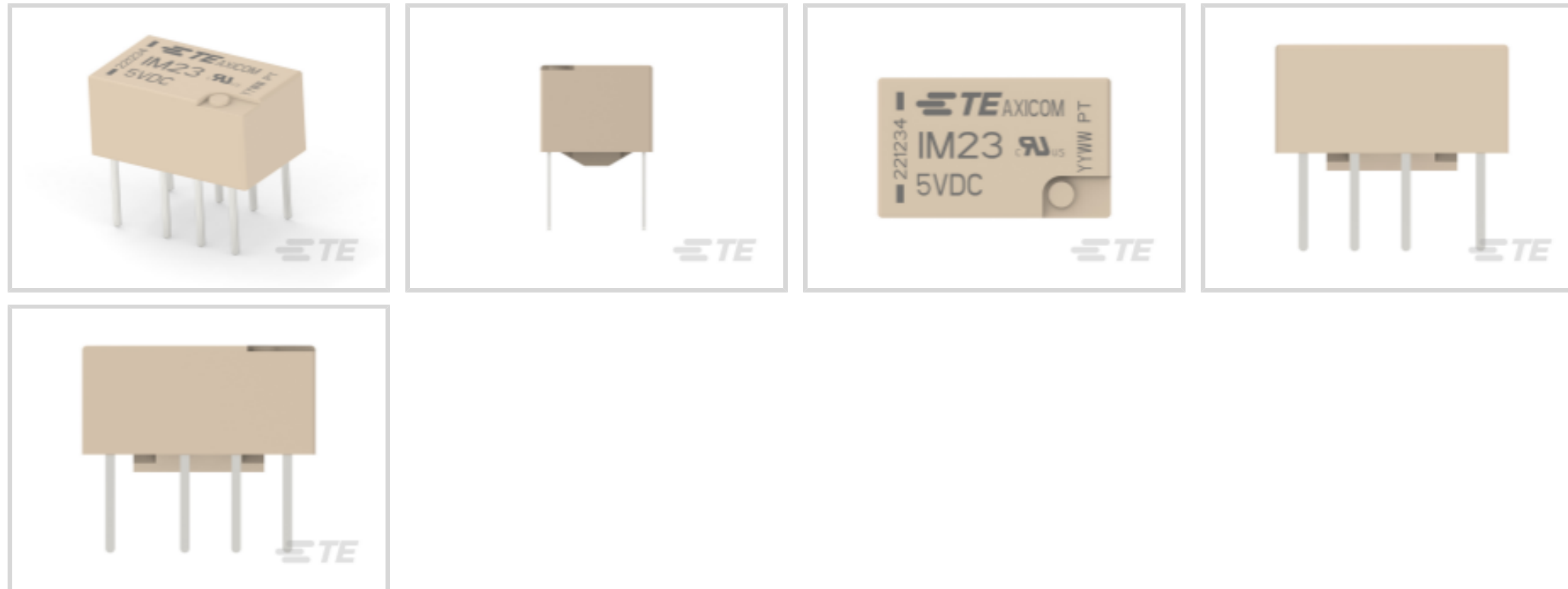




Relays & Contactors > Electromechanical Relays > Standard Signal Relay 2 Form C,2 CO Cont



Relay & Contactor Type: **General Purpose Signal Relay**

Coil Magnetic System: **Polarized, Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Current Type: **DC**

Contact Current Rating: **2 A**

[All Standard Signal Relay 2 Form C,2 CO Cont \(70\)](#)

## Features

### Product Type Features

Relay & Contactor Type	General Purpose Signal Relay
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### Configuration Features

Contact Special Features	Bifurcated/Twin Contacts
Relay Options	Power Switching, RF Rated
Contact Number of Poles	2
Coil Special Features	Ultra High Sensitive Version
Contact Arrangement	2 Form C DPDT-CO

### Electrical Characteristics

Contact Limiting Short-Time Current	2 A
Contact Limiting Making Current	2 A
Contact Limiting Continuous Current	2 A
Contact Limiting Breaking Current	2 A

Insulation Initial Dielectric Between Open Contacts	750 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Contact Switching Voltage (Max)	250 VAC
Contact Switching Load (Min)	.1mA @ .0001V
Voltage Standing Wave Ration (HF Parameter)	1.06db @ 100MHz, 1.49db @ 900MHz
Coil Resistance	500 $\Omega$
Insulation Initial Resistance	1000000 M $\Omega$
Contact Current Rating	2 A
Coil Voltage Rating	5 VDC
Contact Voltage Rating	220 VDC
Coil Power Rating DC	.05 W
Insulation Initial Dielectric Between Contacts & Coil	1800 Vrms

#### Signal Characteristics

Isolation (HF Parameter)	-18.8dB @ 900MHz, -37dB @ 100MHz
Insertion Loss (HF Parameter)	-.03dB @ 100MHz, -.33dB @ 900MHz

#### Body Features

Product Weight	.75 g[.026 oz]
Enclosure Type	Hermetically Sealed

#### Contact Features

Contact Plating Material	Gold
Contact Material	PdRu

#### Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

#### Mechanical Attachment

Product Mount Type	Board Mount
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#### Dimensions

Product Width	6 mm[.236 in]
Product Length	10 mm[.393 in]
Product Height	5.65 mm[.222 in]

#### Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Environmental Category of Protection	RTV
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Environmental Ambient Temperature (Max)	85 °C[185 °F]
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### Operation/Application

Solder Process	Wave Solder Capable
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Coil Magnetic System	Polarized, Monostable
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Current Type	DC
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### Packaging Features

Packaging Method	Tube
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### Other

Coil Power Rating Class	≤.15 W
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Contact Current Class	≤2 A
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Height Class (Mechanical)	≤7 mm[≤.276 in]
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Length Class (Mechanical)	≤11 mm[≤.433 in]
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Width Class (Mechanical)	≤7 mm[≤.276 in]
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
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Solder Process Capability	Wave solder capable to 265°C
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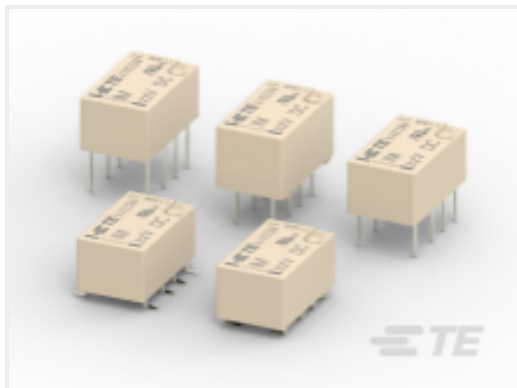
#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous



materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts

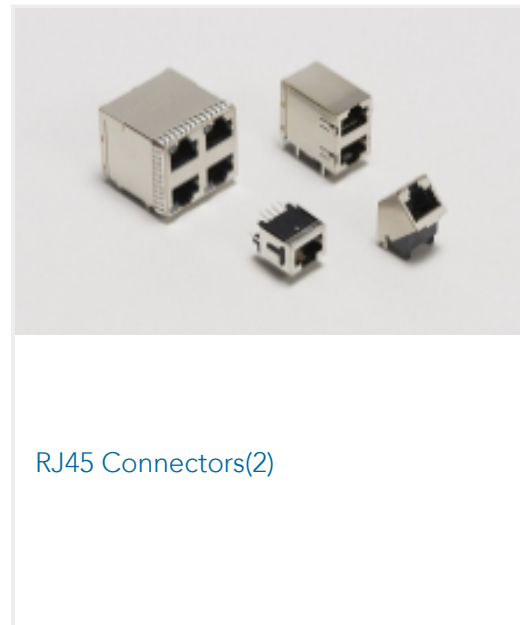


TE Part # CAT-AX41-IM11B  
 Standard Signal Relay 2 Form C, 2 CO  
 Cont

## Also in the Series | Axicom IM



PCB Relays(132)



RJ45 Connectors(2)

## Customers Also Bought



TE Part #CAT-PTT0069  
 Liquid Level Pressure Transducer



TE Part #FC2231-0000-0010-L  
 MID RANGE COMPRESSION SENSOR



TE Part #6-106506-2  
 15P.HDP20 REC.ASSY.



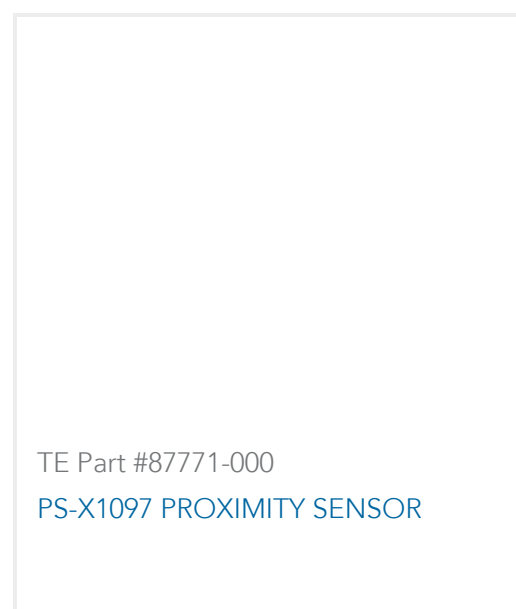
TE Part #165045  
 SOLIS 16-14 WIRE PIN, SHORT



TE Part #2-1761609-3  
 IDC LOW PRO HDR 10P RA SHT LAT



TE Part #2337237-1  
 TACT MINI GW 5.2X5.2X1.5 70GF



TE Part #87771-000  
 PS-X1097 PROXIMITY SENSOR



TE Part #C80178-000  
 VSMI-290-3D02/25-5X2-16



## Documents

### Product Drawings

[IM23TS=IM RELAY 50mW 5V](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_1462037-4\\_A7.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1462037-4\\_A7.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1462037-4\\_A7.2d\\_dxf.zip](#)

English

### 3D PDF

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1462039-0\\_B4.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1462039-0\\_B4.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1462039-0\\_B4.2d\\_dxf.zip](#)

English

### 3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[Transportation, Storage, Handling, Assembly and Testing of Axicom Through Hole Terminal \(THT\) Relays](#)

English

[IM\\_Datasheet](#)

English



**Product Specifications**

[Definitions General Purpose Relays](#)

English

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**Agency Approvals**

[VDE Certificate](#)

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