

IM46TS

✓ ACTIVE

Axicom | Axicom IM

TE Internal #: 6-1462037-6

General Purpose Signal Relay, DC, Bistable, 1 Coil, 2 Form C DPDT-CO, 2 A Contact Rating, 12 VDC Coil Voltage, 250 VAC Contact Voltage, Axicom IM

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



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

Coil Magnetic System: **Bistable, 1 Coil**

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
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	1440 Ω
Insulation Initial Resistance	1000000 M Ω
Contact Current Rating	2 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	220 VDC
Coil Power Rating DC	.1 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]
Environmental Category of Protection	RTV



Environmental Ambient Temperature (Max)	85 °C[185 °F]
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Operation/Application

Solder Process	Wave Solder Capable
Coil Magnetic System	Bistable, 1 Coil
Current Type	DC

Packaging Features

Packaging Method	Tube
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Other

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

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
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
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
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

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 # 2-1462038-4
IM46NS=IM RELAY 100mW 12V BIS

Also in the Series | Axicom IM

DC Relays(132)

Electromechanical Relays(132)

General Purpose Signal Relays(132)

Customers Also Bought

TE Part #T4071017031-001
M8.FMLE.PNLREAR.3POS.STR WIRE

TE Part #2-382811-1
SHUNT, ECON, PHBRN, BLACK

TE Part #1622603-1
LR1L 5% R47

TE Part #CAT-C339-SQ1
Wirewound Resistor: Vertical Mount

TE Part #5-1623927-0
CFR16 5% 22K

TE Part #1624138-1
23E 4K7A 6X50PL B9 M10

TE Part #2-1761603-7
IDC LOW PRO HDR 20P VERT BLUE

TE Part #5227222-6
VERT JK W/MTG PINS, BNC PCB



TE Part #5070012016
[RNF-100-3/64-X-STK](#)

Documents

Product Drawings

[IM46TS=IM RELAY 100mW 12V BIS](#)

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_6-1462037-6_B4.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1462037-6_B4.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1462037-6_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

Agency Approvals

VDE Certificate

English