



Relays & Contactors > Electromechanical Relays > Signal Relay: 1 Form A, 1 NO Contact



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

Coil Magnetic System: **Polarized, Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Current Type: **DC**

Contact Current Rating: **2 A**

[All Signal Relay: 1 Form A, 1 NO Contact \(2\)](#)

Features

Product Type Features

Relay & Contactor Type	General Purpose Signal Relay
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Configuration Features

Contact Special Features	Bifurcated/Twin Contacts, Gull Wing
Relay Options	RF Rated
Contact Number of Poles	1
Contact Arrangement	1 Form A SPST-NO

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	2500 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	178 Ω
Insulation Initial Resistance	1000000 MΩ
Contact Current Rating	2 A
Coil Voltage Rating	5 VDC
Contact Voltage Rating	220 VDC
Coil Power Rating DC	.14 W
Insulation Initial Dielectric Between Contacts & Coil	3500 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	PCB SMT
Coil Termination & Connection Type	PCB SMT

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]



Operation/Application

Performance Type	High Dielectric
Coil Magnetic System	Polarized, Monostable
Current Type	DC

Packaging Features

Packaging Method	Reel
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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	No Restricted Materials 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	Reflow solder capable to 260°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 # 1462041-8
IMB03CTS=IM RELAY 140mW 5V HDV

TE Part # 2-1462041-4
IMB03IGR=IM RELAY 140mW 5V

Also in the Series | Axicom IM

PCB Relays(142)

RJ45 Connectors(2)

Customers Also Bought

TE Part #1010385-F
LMIS050BB3S; PRES; 50Pa;I2C;3Vs

TE Part #8-215464-0
10P.MICRO-MATCH MOB

TE Part #284094-2
TERMI-BLOK PCB MOUNT 90, 5,08M

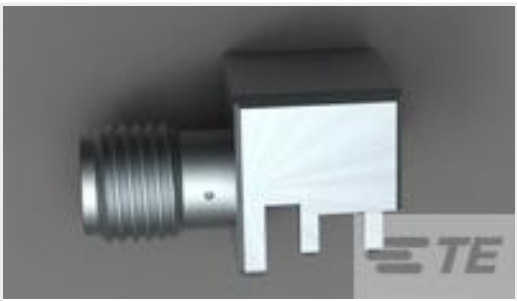
TE Part #7-1393243-3
RT424060

TE Part #3-1437667-5
4DB-P108-11=4DB ASSEMBLY

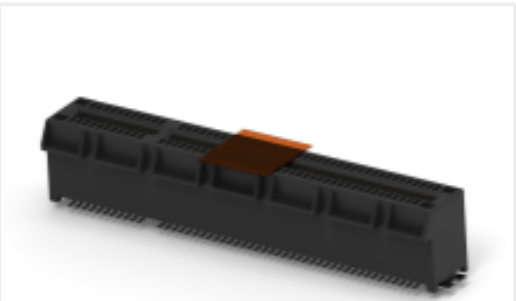
TE Part #9-1609095-1
5FB3=F8363

TE Part #5-1623746-9
ER74 R02 5% AMMO PK

TE Part #8-1625999-5
HSC100 270R 5%



TE Part #2081005-1
ASSY. SMA JACK PCB EDGE MOUNT



TE Part #4-2337939-3
PCIE GEN4 CON,SMT,98POS,15u",
MYLAR,HT

Documents

Product Drawings

IMB03CGR=IM RELAY 140mW 5V HDV

English

IMB03CGR=IM RELAY 140mW 5V HDV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1462041-7_B4.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1462041-7_B4.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1462041-7_B4.3d_stp.zip

English

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

Datasheets & Catalog Pages

Axicom Signal and High Frequency Relays (RF Switches) APPLICATION NOTE #2

English

IMB Relay

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English