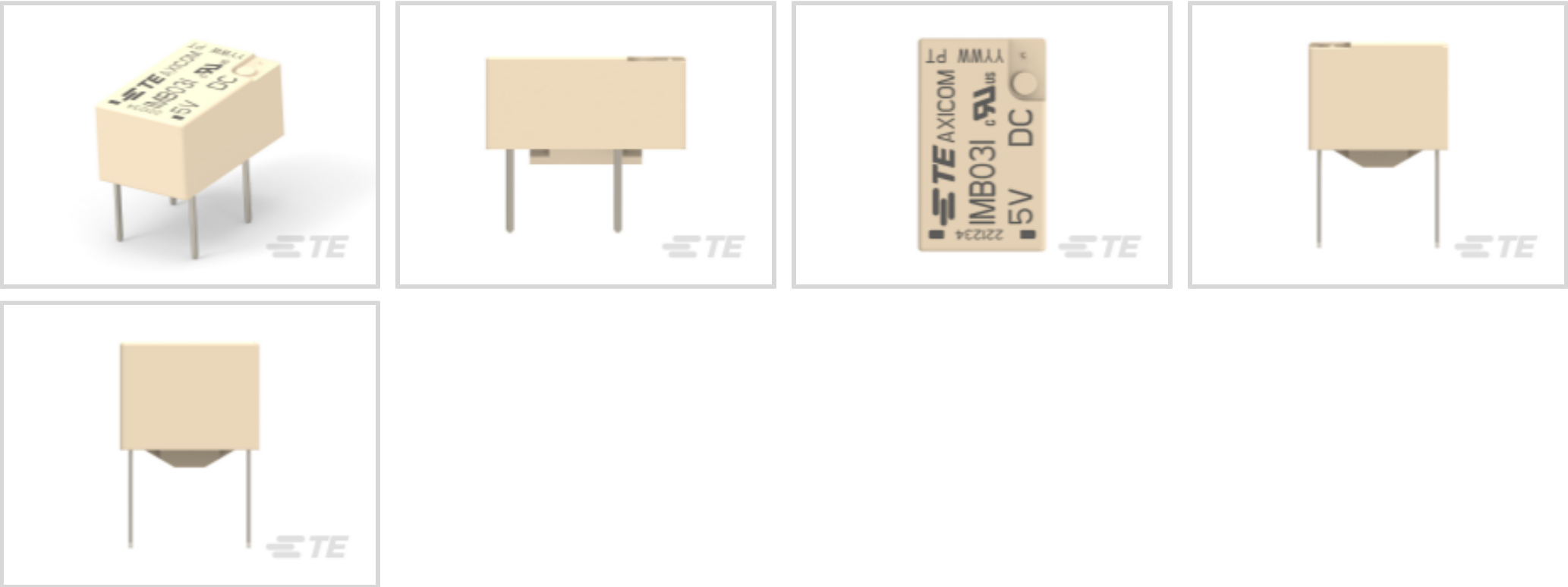




Relays & Contactors > Relays > Signal Relays



Relay Type: **General Purpose Signal Relay**
Contact Arrangement: **1 Form A SPST-NO**
Coil Magnetic System: **Monostable, Polarized**
Contact Current Rating: **2 A**
Performance Type: **High Current**

Features

Product Type Features

Relay Type	General Purpose Signal Relay
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Configuration Features

Contact Special Features	Single Contact
Contact Arrangement	1 Form A SPST-NO
Contact Number of Poles	1

Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	2 A
Contact Limiting Short-Time Current	2 A
Contact Limiting Continuous Current	2 A
Voltage Standing Wave Ration (HF Parameter)	1.06 @ 100MHz, 1.49 @ 900Mhz
Insulation Initial Dielectric Between Contacts & Coil	1800 Vrms
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Breaking Current	2 A



Contact Switching Load (Min)	.1mA @ .0001V
Coil Resistance	178 Ω
Contact Current Rating	2 A
Contact Voltage Rating	220 VDC
Coil Power Rating DC	.14 W
Coil Voltage Rating	5 VDC
Contact Switching Voltage (Max)	250 VAC

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]
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Contact Features

Contact Plating Material	Gold
Contact Material	AgNi

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	PCB Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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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

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

Operation/Application

Current Type	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable, Polarized



Performance Type	High Current
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Packaging Features

Packaging Method	Tube
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Other

Length Class (Mechanical)	0 – 10 mm
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	0 – 6 mm
Coil Power Rating Class	.05 – .3 W
Width Class (Mechanical)	0 – 6 mm
Contact Current Class	0 – 2 A

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	Not reviewed for solder process capability

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.



Compatible Parts

TE Part # 1462041-8
IMB03CTS=IM RELAY 140mW 5V HDV

Also in the Series | Axicom IM

RJ45 Connectors(2)

Signal Relays(154)

Customers Also Bought

TE Part #1-480274-0
09P CMNL PLUG HSG P/M NATL

TE Part #1-480277-0
09P CMNL CAP HSG P/M NATL

TE Part #2-1437667-6
4DB-P108-04=4DB ASSEMBLY

TE Part #61173-1
CMNL SOK 30-22 PTBR L/P

TE Part #61116-1
CMNL PIN 24-18 PTBR

TE Part #2-1437667-5
4DB-P108-03=4DB ASSEMBLY

TE Part #6-1625867-6
RP 1J 0.166W 29R4 0.1% 25PPM 1K RL

TE Part #794939-1
04P MINI UMNL CAP HSG



Documents

Product Drawings

IMB03ITS=IM RELAY 140mW 5V

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1462041-5_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1462041-5_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1462041-5_1.3d_stp.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

IMB Relay

English

Agency Approvals

UL

English