

**WIN***SOURCE*  
**ELECTRONICS**

**THE DATASHEET OF**  
**1462043-3**





Relays & Contactors > Electromechanical Relays > Signal Relay: 2 Form A, 2 NO Contacts



Relay & Contactor Type: **RF Relay**

Coil Magnetic System: **Monostable, Polarized**

Contact Arrangement: **2 Form A DPST-NO**

Current Type: **DC**

Contact Current Rating: **2 A**

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

## Features

### Product Type Features

Relay & Contactor Type	RF Relay
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### Configuration Features

Contact Special Features	Bifurcated/Twin Contacts, Gull Wing
Relay Options	RF Rated
Contact Number of Poles	2
Contact Arrangement	2 Form A DPST-NO

### Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Making Current	2 A
Contact Limiting Short-Time Current	2 A
Contact Limiting Continuous Current	2 A
Contact Switching Voltage (Max)	220 VDC



Contact Switching Load (Min)	.1mA @ .0001V
Voltage Standing Wave Ration (HF Parameter)	1.06 @ 100MHz, 1.49 @ 900Mhz
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Breaking Current	2 A
Coil Resistance	178 Ω
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	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 Material	PdRu+Au
Contact Plating Material	Gold

#### Termination Features

Main Termination & Connection Type	PCB SMT
Coil Termination & Connection Type	PCB SMT

#### 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
Operating Temperature Range	-40 – 85 °C



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

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

### Packaging Features

Packaging Method	Reel
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### Other

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

### 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: JAN 2024 (240) 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 # 1462043-7  
IME03TS=IM RELAY 140mW 5V 2NO

### Also in the Series | Axicom IM



Electromechanical Relays(146)



RJ45 Connectors(2)

### Customers Also Bought



TE Part #3-647166-8  
8P MTA100 HDR ASSY,SM,FL,LF



TE Part #2-1462039-9  
IM23GR=IM RELAY 50mW 5V



TE Part #1-1337481-0  
SMB R/A PCB Skt 50Ohm Gold Plt



TE Part #5103309-3  
A/L LOW PRO HDR 16P VERT BLACK



TE Part #147444-1  
SOCKET,MIN-SPR AU-AU SER-1



TE Part #5-534206-4  
08 MODII VRT DR CE 100/115



TE Part #5-1879207-8  
RN 0603 392K 0.1% 10PPM 5K RL



TE Part #2132186-2  
EMI Gasket, QSFP/XFP 1x1



## Documents

### Product Drawings

[IME03GR=IM RELAY 140mW 5V 2NO](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1462043-2\\_B5.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1462043-2\\_B5.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1462043-2\\_B5.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1462043-3\\_B5.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1462043-3\\_B5.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1462043-3\\_B5.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

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### Datasheets & Catalog Pages

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

English

[IM/E Relay](#)

English

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### Product Specifications

[Definitions General Purpose Relays](#)

English

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### Agency Approvals

[VDE Certificate](#)

English

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

[View 1462043-3 on WIN SOURCE](#)

[TE Connectivity Information](#)

### Optimize Your Supply Chain with WIN SOURCE Solutions

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management