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8-1462039-3 ✔ ACTIVE

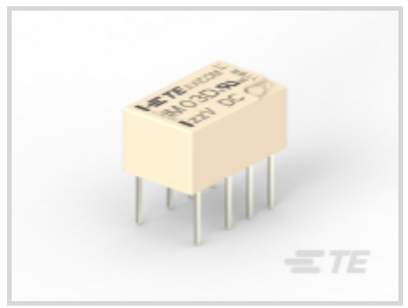
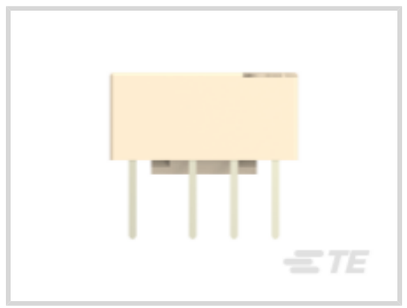
Axicom | Axicom IM

TE Internal #: 8-1462039-3

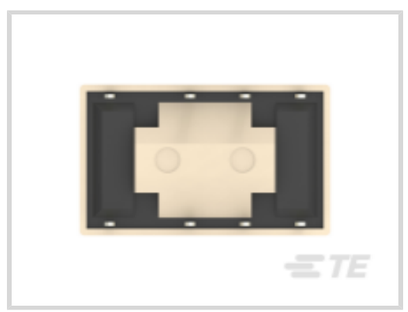
Axicom IM, Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-THT, 5 VDC Coil Voltage

View on TE.com >

Relays, Contactors & Switches > Relays > Signal Relays





Contact Voltage Rating: **220 VDC**

Signal Relay Coil Power Rating (DC): **140 mW**

Isolation (HF Parameter): **-18.8dB @ 900MHz, -37dB @ 100MHz**

Insertion Loss (HF Parameter): **-.03dB @ 100MHz, -.33dB @ 900MHz**

Features

Product Type Features

Relay Type	IM Relay
Product Type	Relay

Electrical Characteristics

Coil Power Rating Class	50 – 300 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Short-Time Current	5 A
Insulation Initial Dielectric Between Contacts and Coil	1500 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	1000 V – 1500 VA
Voltage Standing Wave Ration (HF Parameter)	1.06 @ 100MHz, 1.49 @ 900Mhz
Insulation Initial Dielectric Between Adjacent Contacts	750 Vrms
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Making Current	5 A
Coil Resistance	178 Ω
Contact Limiting Continuous Current	5 A

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Axicom IM, Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-THT, 5 VDC Coil Voltage

Coil Type	Monostable
Contact Limiting Breaking Current	5 A
Contact Switching Load (Min)	.1mA @ .0001V
Contact Voltage Rating	220 VDC
Signal Relay Coil Power Rating (DC)	140 mW
Signal Relay Coil Voltage Rating	5 VDC
Signal Relay Contact Switching Voltage (Max)	220 VDC
Signal Relay Coil Magnetic System	Monostable, DC, Polarized

Signal Characteristics

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

Body Features

Insulation Special Features	2000V Initial Surge Withstand Voltage Between Contacts & Coil
Weight	.75 g[.026 oz]

Contact Features

Contact Plating Material	Gold
Contact Current Class	0 – 5 A
Contact Special Features	Bifurcated/Twin Contacts
Signal Relay Terminal Type	PCB-THT
Signal Relay Contact Current Rating	5 A
Signal Relay Contact Arrangement	2 Form C (2 CO)
Contact Material	AgNi+Au
Contact Number of Poles	2

Termination Features

Termination Type	Through Hole

Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board

Dimensions

Width Class (Mechanical)	0 – 6 mm
Width	6 mm[.222 in]
Height	5.65 mm

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Axicom IM, Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-THT, 5 VDC Coil Voltage

Length Class (Mechanical)	0 – 10 mm
Length	10 mm[.393 in]
Height Class (Mechanical)	0 – 6 mm
Dimensions (L x W x H) (Approximate)	10 x 6 x 5.65 mm[.393 x .236 x .222 in]

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[185 °F]
Environmental Ambient Temperature Class	70 – 85°C
Operating Temperature Range	-40 – 85 °C

Operation/Application

Performance Type	High Current

Packaging Features

Packaging Method	Tube

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: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219) 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

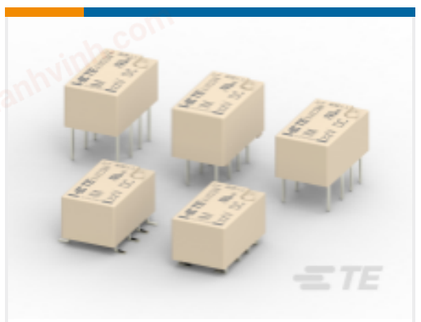
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

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Axicom IM, Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-THT, 5 VDC Coil Voltage

Compatible Parts



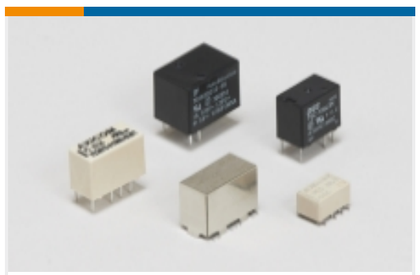
TE Part # CAT-AX41-IM11B
Standard Signal Relay 2 Form C,2 CO Cont

TE Part # 9-1462038-9
IM03DGR=IM RELAY 140MW 5V

Also in the Series | Axicom IM



RJ45 Connectors(2)

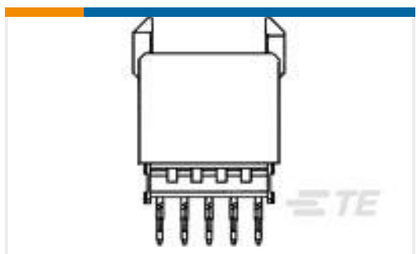


Signal Relays(124)

Customers Also Bought



TE Part #3-1462039-8
IM06DTS=IM RELAY 140MW 12V



TE Part #5106773-1
Z-PACK/A VF 110P



TE Part #8-1614882-3
CPF 0603 4R7 0.1% 25PPM 1K RL



TE Part #1825027-2
FSMRA1JH04=R/A,TACT PB SW,160G



TE Part #1676352-2
RN 0805 499R 0.1% 10PPM 1KRL



TE Part #3-2176094-1
RP 2A 0.25W 249K 0.1% 25PPM 1K RL

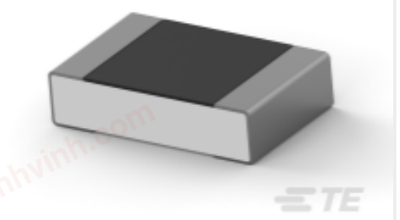


TE Part #2-1625868-1
RP 2A 0.25W 2K0 0.1% 25PPM 1K RL



TE Part #5-1625868-7
RP 2A 0.25W 20R5 0.1% 25PPM 1K RL

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TE Part #9-2176374-2

RQ 0805 953R 0.1% 10PPM 1K RL

TE Part #9-1462038-9

IM03DGR=IM RELAY 140MW 5V

Documents

Product Drawings

IM03DTS=IM RELAY 140 MW 5 V

English

Datasheets & Catalog Pages

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

English

Industrial Relays Quick Reference Guide

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

IM_Datasheet PCN P-20-019002

English