



RELAYS, CONTACTORS & SWITCHES

SIGNAL RELAYS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

IM01GR=IM Relay 140 mW 3 V

Axicom | IM

IM01GR

TE Internal Number: 1462037-1

Always EU RoHS/ELV Compliant

Contact Voltage Rating **250 VAC [220 VDC]**

Coil Power Rating (DC) (mW) **140**

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

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

Insulation Initial Resistance (MΩ) **1000000**



Product Drawings

IM-Relay Marking

PDF
English

IM2-G-Relay

PDF
English

CAD Files

Customer View Model

2D_DXF.ZIP
English

3D PDF

PDF
3D

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

Product Specifications

Product Specification

IM Relay Datasheet

Product Environmental Compliance

TE Material Declaration

[IM01GR=IM Relay 140 MW 3 V](#)PDF
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Product Type	Relay
	Relay Type	IM Relay
Electrical Characteristics	Contact Voltage Rating	250 VAC [220 VDC]
	Coil Power Rating (DC) (mW)	140
	Insulation Initial Resistance (MΩ)	1000000
	Coil Voltage Rating (VAC)	3
	Contact Switching Voltage (Max)	250 VAC [220 VDC]
	Coil Magnetic System	Monostable, DC
	Insulation Initial Dielectric Between Coil/Contact Class	1500 V – 2500 VA
	Insulation Initial Dielectric Between Adjacent Contacts (Vrms)	1000
	Insulation Initial Dielectric Between Contacts and Coil (Vrms)	1800
	Contact Limiting Making Current (A)	2
	Insulation Initial Dielectric Between Open Contacts (Vrms)	1000
	Actuating System	DC
	Contact Limiting Short-Time Current (A)	2
	Contact Limiting Continuous Current (A)	2
	Coil Resistance (Ω)	64
	Contact Switching Load (Min)	.1mA @ .0001V
	Contact Limiting Breaking Current (A)	2
	Coil Power Rating Class	50 – 300mW
	Coil Type	Monostable
	Voltage Standing Wave Ration (HF Parameter)	1.07 @ 100MHz, 1.45 @ 900MHz
Signal Characteristics	Isolation (HF Parameter)	-37dB @ 100MHz, -18.8dB @ 900MHz

Insertion Loss (HF Parameter)

-.33dB @ 900MHz, -.03dB @ 100MHz

Body Features	Insulation Special Features	2500V Initial Surge Withstand Voltage between Contacts & Coil
	Weight (oz)	.75

Contact Features	Terminal Type	PCB-SMT
	Contact Current Rating (A)	2
	Contact Arrangement	2 Form C (CO)
	Contact Material	PdRu
	Contact Number of Poles	2
	Contact Special Features	Bifurcated/Twin Contacts
	Contact Current Class	0 – 2 A
	Contact Plating Material	Gold

Mechanical Attachment	Mounting Type	Printed Circuit Board
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Dimensions	Length Class (Mechanical)	0 – 10 mm
	Width Class (Mechanical)	0 – 6 mm
	Length (in)	10
	Width	6 mm [.236 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]
	Height	5.6 mm [.221 in]

Usage Conditions	Environmental Category of Protection	RTV
	Environmental Ambient Temperature (Max)	85 °C [85 °F]
	Environmental Ambient Temperature Class	70 – 85°C

Operation/Application	Performance Type	Standard
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Packaging Features	Packaging Method	Reel
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Other	Additional Features	Gull Wing
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Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

