

AXICOM IM RELAY

SIGNAL RELAYS

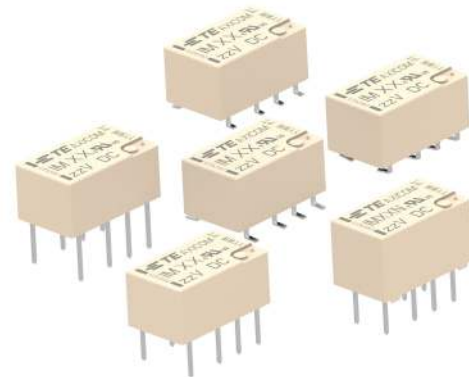
INTRODUCTION

TE Connectivity (TE)'s Axicom IM signal relays, as part of our smallest types of electromechanical relays, offer a wide and deep range of variations suitable for many applications.

The IM series are equipped with 2 changeover contacts in both monostable or bistable versions, available in multiple coil solutions, performance types and pin layouts.

FEATURES

- Slim line 10x6mm, low profile 5.65mm and min. board-space 60mm².
- Switching current 2/5A, switching power 60W/62.5VA and switching voltage 220VDC/250VAC.
- Low coil power consumption, 140mW standard, 100mW for high sensitive version, 50mW for ultra high sensitive version and 100mW for bistable version.
- High dielectric and surge capability up to 2500V_{rms} between open contacts and 2500V_{rms} between coil and contacts.
- High mechanical shock resistance up to 50g functional.



APPLICATIONS

- Telecommunication
- Access and transmission equipment
- Optical network terminals
- Modems
- Office and business equipment
- Consumer electronics
- Measurement and test equipment
- Industrial control
- Medical equipment
- HVAC

APPROVALS

- UL 61810-1 (former UL 508) File No. E214025



Technical data of approved types on request

Buyer entirely assumes the risk and all liability relating to (a) assessing the suitability for Buyer's intended use of the Products and of any system design or drawing and (b) determining the compliance of Buyer's use of the Products with applicable laws, regulations, codes and standards. For more info on the exclusive and applicable warranty, please refer to TE standard warranty terms.

AXICOM IM RELAY

SIGNAL RELAYS

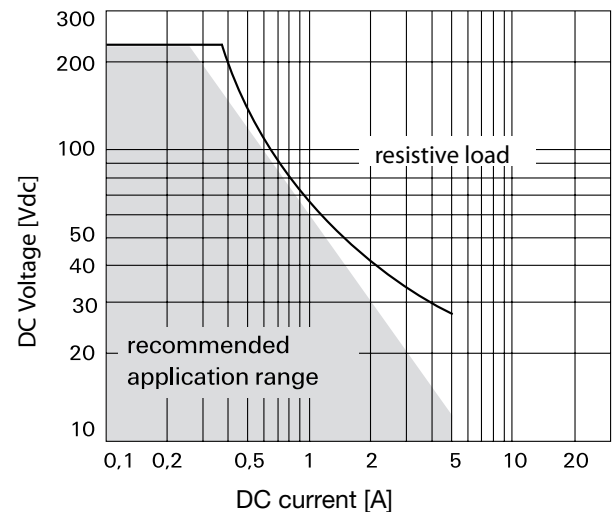
CONTACT DATA

| Performance type | Standard, C (Standard and high dielectric version) | D, I (High current version) | P (High contact stability version) |
|--|---|-------------------------------------|---------------------------------------|
| Contact arrangement | 2 form C, 2 CO | | |
| Max. switching voltage | 220VDC, 250VAC | 220VDC, 250VAC | 220VDC, 250VAC |
| Rated current | 2A | 5A ¹⁾ | 2A |
| Limiting continuous current | 2A | 5A ¹⁾ | 2A |
| Switching power | 60W, 62.5VA | | |
| Contact material | PdRu +Au covered | AgNi +Au covered | PdRu +Au covered |
| Contact style | Twin contacts | Twin contacts I: single contacts | Twin contacts |
| Minimum switching voltage | 100μV | | |
| Initial contact resistance | <50mΩ at 10mA/30mV I: < 100mΩ | | |
| Thermoelectric potential | <10μV | | |
| Operate time | typ. 1ms, max. 3ms | | |
| Release time | | | |
| Without diode in parallel | typ. 1ms, max. 3ms | | |
| With diode in parallel | typ. 3ms, max. 5ms | | |
| Bounce time max. | typ. 1ms, max. 5ms | | |
| Electrical endurance | | | |
| at contact application 0 (≤30mV/≤10mA) | min. 2.5x10 ⁶ operations | | |
| Cable load open end | min. 2.0x10 ⁶ operations | | |
| Resistive, 125VDC / 0.24A - 30W | min. 5x10 ⁵ operations | | |
| Resistive, 220 VDC / 0.27A - 60W | min. 1x10 ⁵ operations | | |
| Resistive, 250VAC / 0.25A - 62.5VA | min. 1x10 ⁵ operations | | |
| Resistive, 30VDC / 1A - 30W | min. 5x10 ⁵ operations | | |
| Resistive, 30VDC / 2A - 60W | min. 1x10 ⁵ operations | | |

1) for 5A applications please contact TE

| Performance type | Standard, C (Standard and high dielectric version) | D, I (High current version) | P (High contact stability version) |
|----------------------|--|--------------------------------|---------------------------------------|
| UL contact rating | 30VDC, 2A, 60W, NO only 110VDC, 0.3A, 33W 220VDC, 0.27A, 60W 125VAC, 0.5A, 62.5VA 250VAC, 0.25A, 62.5VA 30VAC, 2A, 62.5VA, NO only (IMxxI, IMxxD) | | |
| Mechanical endurance | min. 1x10 ⁸ operations | | |

MAX. DC LOAD BREAKING CAPACITY



COIL DATA

| | |
|--------------------|----------------------|
| Magnetic system | Monostable, bistable |
| Coil voltage range | 1.5 to 24VDC |

| Coil code | Rated voltage VDC | Operate voltage VDC | Release voltage VDC | Coil resistance $\Omega \pm 10\%$ | Rated coil power mW |
|-----------|-------------------|---------------------|---------------------|-----------------------------------|---------------------|
|-----------|-------------------|---------------------|---------------------|-----------------------------------|---------------------|

Coil versions, standard version, monostable, 1 coil

| | | | | | |
|----|-----|-------|------|------|-----|
| 00 | 1.5 | 1.13 | 0.15 | 16 | 140 |
| 08 | 2.4 | 1.80 | 0.24 | 41 | 140 |
| 01 | 3 | 2.25 | 0.30 | 64 | 140 |
| 02 | 4.5 | 3.38 | 0.45 | 145 | 140 |
| 03 | 5 | 3.75 | 0.50 | 178 | 140 |
| 04 | 6 | 4.50 | 0.60 | 257 | 140 |
| 05 | 9 | 6.75 | 0.90 | 579 | 140 |
| 06 | 12 | 9.00 | 1.20 | 1029 | 140 |
| 07 | 24 | 18.00 | 2.40 | 2880 | 200 |

Coil versions, sensitive version, monostable, 1 coil

| | | | | | |
|----|-----|-------|------|------|-----|
| 11 | 3 | 2.40 | 0.30 | 91 | 100 |
| 12 | 4.5 | 3.60 | 0.45 | 194 | 100 |
| 13 | 5 | 4.00 | 0.50 | 234 | 100 |
| 16 | 12 | 9.60 | 1.20 | 1315 | 110 |
| 17 | 24 | 19.20 | 2.40 | 4120 | 140 |

Coil versions, ultra high sensitive version, monostable, 1 coil

| | | | | | |
|----|-----|-------|------|------|----|
| 21 | 3 | 3.00 | 0.30 | 180 | 50 |
| 22 | 4.5 | 4.50 | 0.45 | 405 | 50 |
| 23 | 5 | 5.00 | 0.50 | 500 | 50 |
| 26 | 12 | 12.00 | 1.20 | 2880 | 50 |

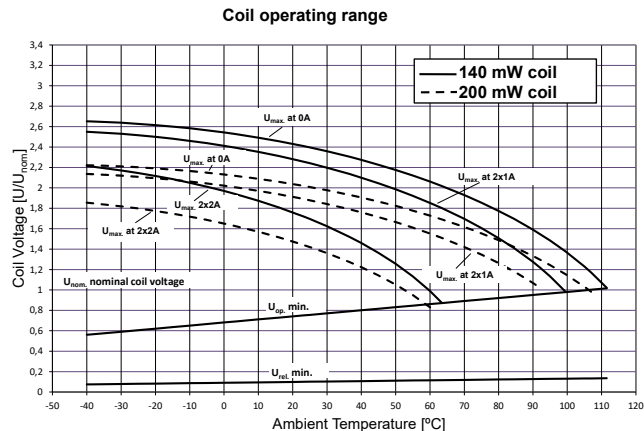
All figures are given for coil without pre-energization, at ambient temperature +23°C

| Coil code | Rated voltage VDC | Set voltage VDC | Reset voltage VDC | Coil resistance $\Omega \pm 10\%$ | Rated coil power mW |
|-----------|-------------------|-----------------|-------------------|-----------------------------------|---------------------|
|-----------|-------------------|-----------------|-------------------|-----------------------------------|---------------------|

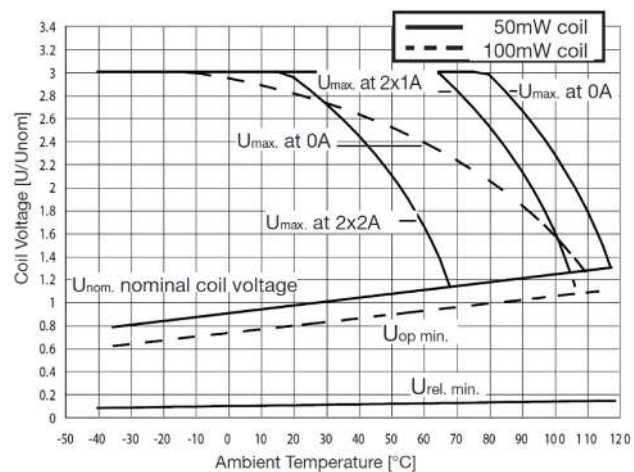
Coil versions, standard version, bistable 1 coil

| | | | | | |
|----|-----|-------|-------|------|-----|
| 40 | 1.5 | 1.13 | -1.13 | 16 | 100 |
| 48 | 2.4 | 1.80 | -1.80 | 41 | 100 |
| 41 | 3 | 2.25 | -2.25 | 64 | 100 |
| 42 | 4.5 | 3.38 | -3.38 | 145 | 100 |
| 43 | 5 | 3.75 | -3.75 | 178 | 100 |
| 44 | 6 | 4.50 | -4.50 | 257 | 100 |
| 45 | 9 | 6.75 | -6.75 | 579 | 100 |
| 46 | 12 | 9.00 | -9.00 | 1029 | 100 |
| 47 | 24 | 18.00 | 18.00 | 2880 | 200 |

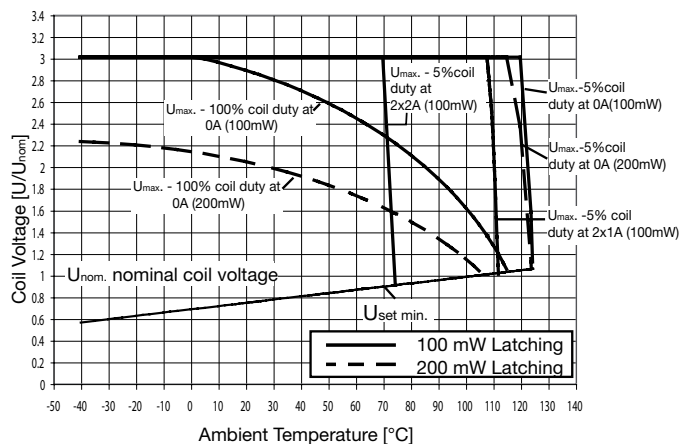
COIL OPERATING RANGE, STANDARD VERSION, MONOSTABLE, 1 COIL



COIL OPERATING RANGE, SENSITIVE AND ULTRA HIGH SENSITIVE VERSION, MONOSTABLE, 1 COIL



COIL OPERATING RANGE, STANDARD VERSION, BISTABLE, 1 COIL



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INSULATION DATA

| Performance type | Standard (Standard, sensitive, ultra high sensitive version) | C ²⁾ (High dielectric version) | D, P, I (High current, high contact stability version) |
|---------------------------------|---|--|---|
| Initial dielectric strength | | | |
| between open contacts | 750Vrms | 1500Vrms | 750Vrms |
| between contact and coil | 1800Vrms | 1800Vrms | 1500Vrms |
| between adjacent contacts | 1000Vrms | 1800Vrms | 750Vrms |
| Initial surge withstand voltage | | | |
| between open contacts | 1500V | 2500V | 1000V |
| between contact and coil | 2500V | 2500V | 2000V |
| between adjacent contacts | 1500V | 2500V | 1000V |
| Initial insulation resistance | | | |
| between insulated elements | >10 ⁹ Ω | >10 ⁹ Ω | >10 ⁹ Ω |
| Capacitance | | | |
| between open contacts | max. 1pF | | |
| between contact and coil | max. 2pF | | |
| between adjacent contacts | max. 2pF | | |

2) this relay contains SF6 (Sulfur hexafluoride, CAS number: 2551-62-4) for dielectric strength enhancement, SF6 is hermetically sealed in relay without leaks to air during normal application as recommended per the applicable product specification. It is clarified that the usage of SF6 in mini signal relay is not prohibited by related regulations. Please contact TE local sales or field engineer for further information and detailed material declaration. To ensure the dielectric performance after soldering processes / assembly customer is advised to perform a dielectric test.

RF DATA

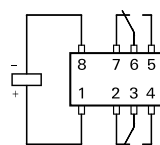
| | |
|---|---------------|
| Isolation at 100MHz/900MHz | 37.0dB/18.8dB |
| Insertion loss at 100MHz/900MHz | 0.03dB/0.33dB |
| Voltage standing wave ratio (VSWR) at 100MHz/900MHz | 1.06/1.49 |

OTHER DATA

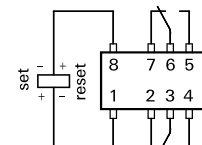
| | |
|--|---|
| Material compliance | EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customer-support/rohssupportcenter |
| Ambient temperature | -40°C to +85°C |
| Thermal resistance | <150K/W |
| Category of environmental protection IEC 61810 | RT V - hermetically sealed |
| Vibration resistance (functional) | 20g, 10 to 500Hz |
| Shock resistance (functional), half sinus 11ms | 50g |
| Shock resistance (destructive), half sinus 0.5ms | 500g |
| Mounting position | various |
| Weight | max. 0.75g |
| Resistance to soldering heat SMT IEC 60068-2-58 | Moisture sensitive level, JEDEC J-STD-020F MSL3 related only to SMT relays packed in original dry-packs. Calculated shelf life in sealed bag: 36 months at <40°C and <90% relative humidity (RH). Floor life (out of the bag) at assembly site is 168 Hours at ≤ 30°C/60% RH. |
| Ultrasonic cleaning | not recommended |
| Packaging/unit | |
| THT version | tube/50pcs., box/1000 pcs. |
| SMT version | reel/1000 pcs., box/1000 or 5000 pcs. |

Avoid using the relays under strong magnetic fields, as electrical parameters will be affected, such as operate/set voltage and release/reset voltage.

MONOSTABLE VERSION REST CONDITION



BISTABLE VERSION, 1 COIL RESET CONDITION



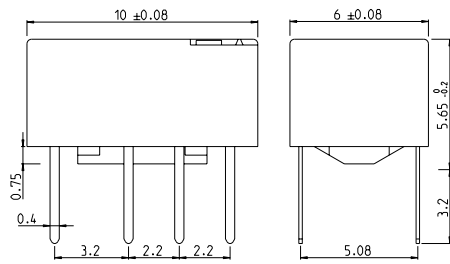
Contacts are shown in reset condition. Contact position might change during transportation and must be reset before use.

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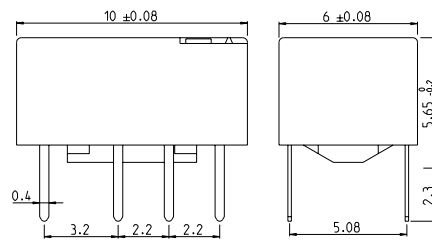
SIGNAL RELAYS

DIMENSIONS (UNIT: mm)

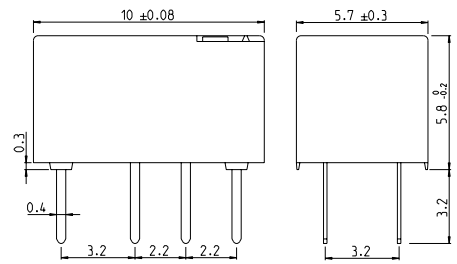
THT Standard version



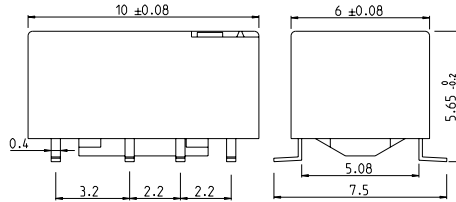
THT Short version



THT Narrow version

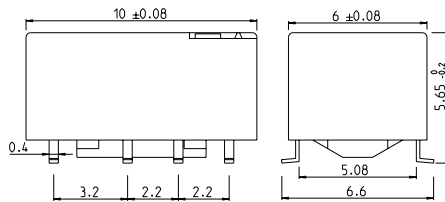


SMT Gull wings version



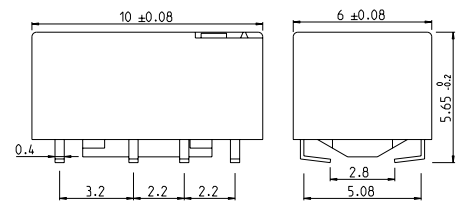
Coplanarity ≤ 0.1

SMT Short Gull wings version



Coplanarity ≤ 0.1

SMT J-legs version

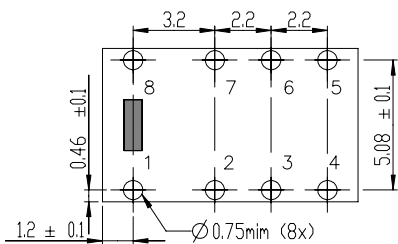


Coplanarity ≤ 0.1

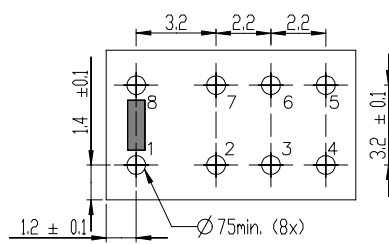
PCB LAYOUT

Top view on component side of PCB

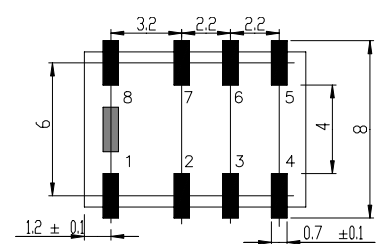
THT Standard and Short version



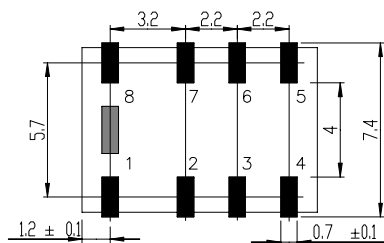
THT Narrow version



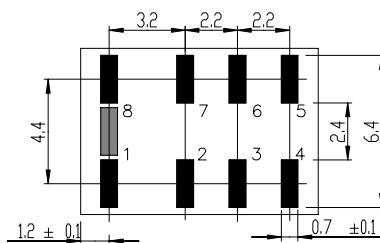
SMT Gull wings version



SMT Short Gull wings version



SMT J-legs version



Note:

Customer needs to apply enough solder paste volume / thickness / solder material content to ensure a stable solder joint

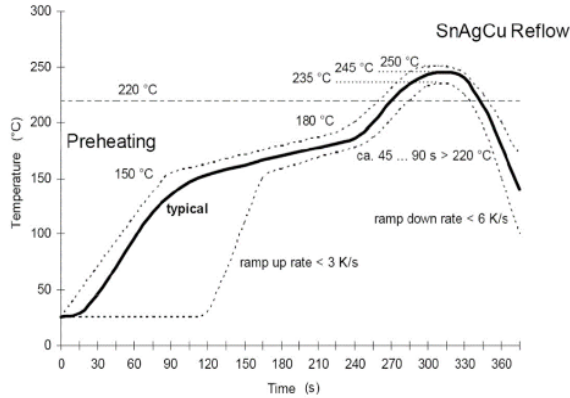
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PROCESSING

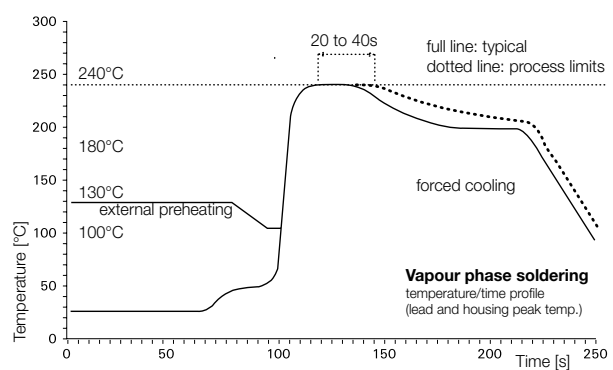
Recommended soldering conditions

Recommended reflow soldering profile IEC 61760-1



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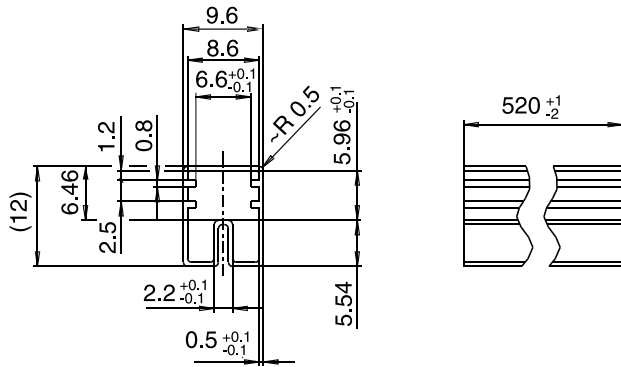
Recommended vapor phase soldering profile



PACKING

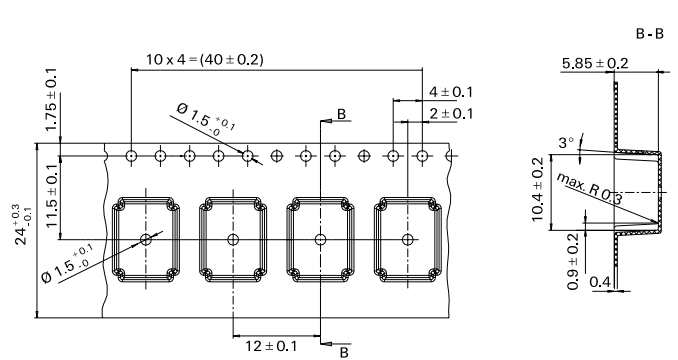
Tube for THT version

50 relays per tube, 1000 relays per box

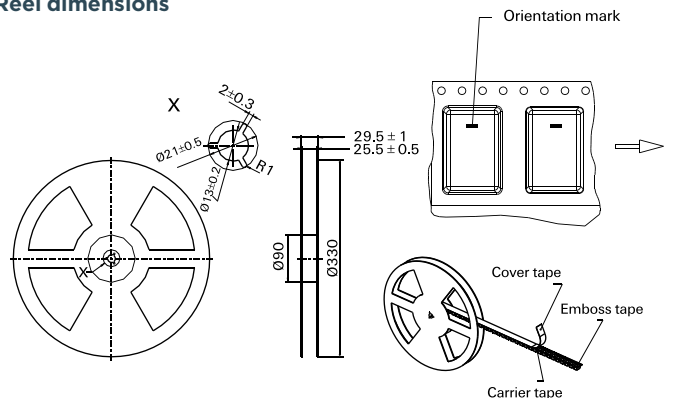


Tape and reel for SMT version

1000 relays per reel, 1000 or 5000 relays per box



Reel dimensions



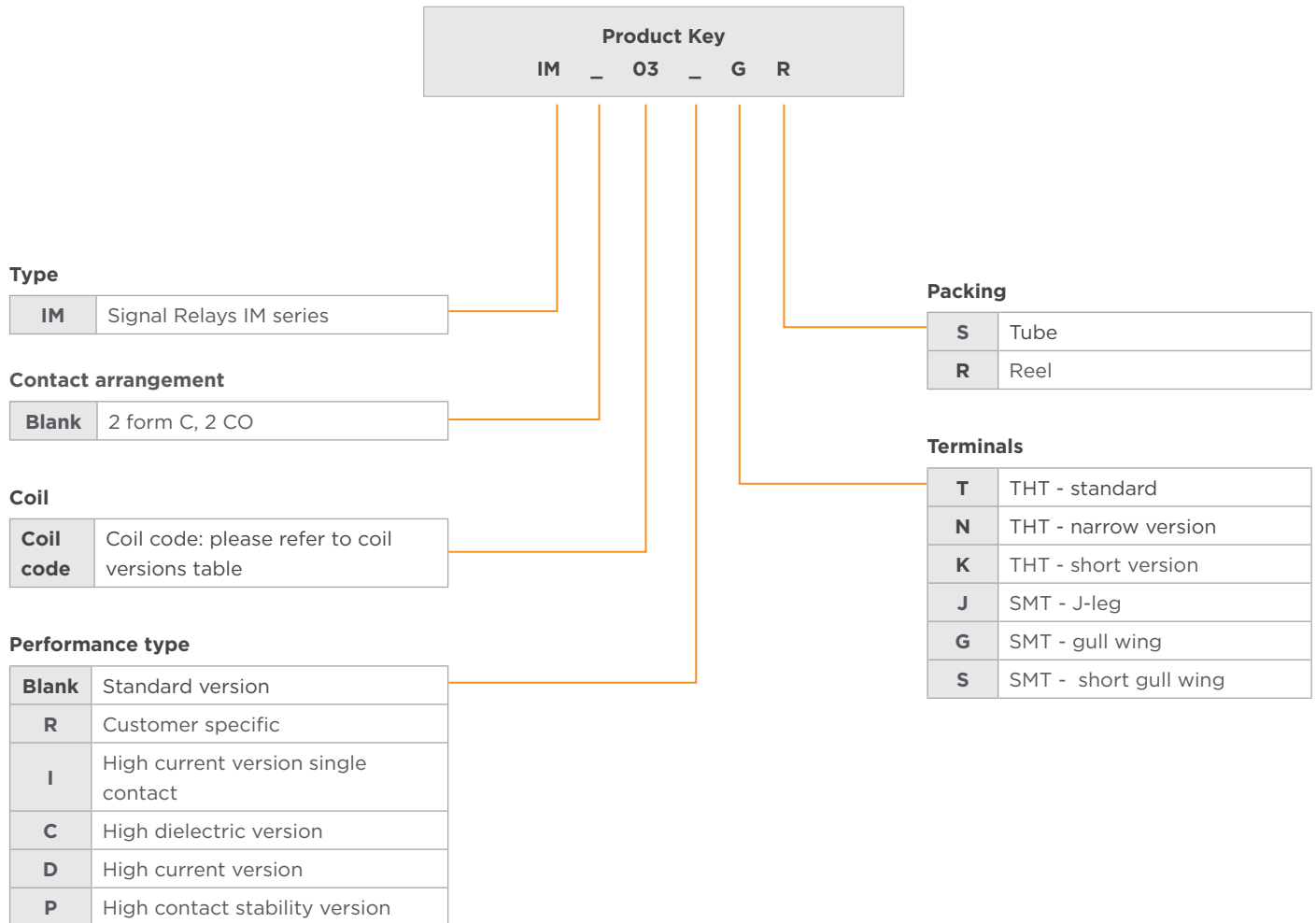
Note:

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SIGNAL RELAYS

PRODUCT CODE STRUCTURE



PRODUCT SELECTION INFORMATION

| Product code | Arrangement | Perf. type | Coil | Coil type | Coil | Terminals | Part number | | | |
|--------------|-------------------------------|------------|--------------|------------|----------|---------------------|-------------|----------|---------------------|-------------|
| IM00GR | 2 form C, 2 CO contacts | Standard | 1.5VDC | Monostable | Standard | SMT gull wing | 3-1462037-7 | | | |
| IM00JR | | | | | | SMT J-leg | 3-1462037-9 | | | |
| IM00NS | | | | | | THT narrow | 1-1462038-0 | | | |
| IM01GR | | | | | | SMT gull wing | 1462037-1 | | | |
| IM01SR | | | | | | SMT short gull wing | 2-1462040-3 | | | |
| IM01JR | | | | | | SMT J-leg | 4-1462037-0 | | | |
| IM01NS | | | THT narrow | | | 1-1462038-1 | | | | |
| IM01TS | | | THT standard | | | 1462037-4 | | | | |
| IM02GR | | | 4.5VDC | | | Standard | Monostable | Standard | SMT gull wing | 1462037-9 |
| IM02SR | | | | | | | | | SMT short gull wing | 2-1462040-4 |
| IM02JR | | | | | | | | | SMT J-leg | 1-1462037-1 |
| IM02NS | | | | | | | | | THT narrow | 1-1462038-2 |

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SIGNAL RELAYS

| Product code | Arrangement | Perf. type | Coil | Coil type | Coil | Terminals | Part number | |
|--------------|-------------------------------|---------------|---------------------|------------|----------------------|---------------------|---------------|-------------|
| IM03GR | 2 form C, 2 CO contacts | Standard | 5VDC | Monostable | Standard | SMT gull wing | 1-1462037-4 | |
| IM03SR | | | | | | SMT short gull wing | 2-1462040-5 | |
| IM03JR | | | | | | SMT J-leg | 1-1462037-6 | |
| IM03NS | | | | | | THT narrow | 1-1462038-3 | |
| IM03TS | | | | | | THT standard | 1-1462037-8 | |
| IM04GR | | | | | | 6VDC | SMT gull wing | 4-1462037-2 |
| IM04JR | | | SMT J-leg | | | | 4-1462037-4 | |
| IM04NS | | | THT narrow | | | | 1-1462038-4 | |
| IM05GR | | | 9VDC | | | SMT gull wing | 3-1462037-4 | |
| IM05SR | | | | | | SMT short gull wing | 2-1462040-6 | |
| IM05JR | | | | | | SMT J-leg | 4-1462037-5 | |
| IM05NS | | | | | | THT narrow | 1-1462038-5 | |
| IM05TS | | | | | | THT standard | 2-1462037-2 | |
| IM06GR | | | | | | 12VDC | SMT gull wing | 2-1462037-3 |
| IM06SR | | | SMT short gull wing | | | | 2-1462040-7 | |
| IM06JR | | | SMT J-leg | | | | 4-1462037-6 | |
| IM06NS | | | THT narrow | | | 1-1462038-6 | | |
| IM07GR | | | 24VDC | | | SMT gull wing | 4-1462037-7 | |
| IM07SR | | | | | | SMT short gull wing | 2-1462040-8 | |
| IM07JR | | | | | | SMT J-leg | 4-1462037-8 | |
| IM07NS | | | | | | THT narrow | 1-1462038-7 | |
| IM08GR | | | | | | 2.4VDC | SMT gull wing | 6-1462039-3 |
| IM11GR | | | | | | 3VDC | | 9-1462038-5 |
| IM12GR | | | 4.5VDC | | | 1462039-3 | | |
| IM13GR | | | 5VDC | | | 1462039-4 | | |
| IM16GR | | | 12VDC | | | 1462039-5 | | |
| IM17GR | | | 24VDC | | | 1462039-6 | | |
| IM17TS | | | 3VDC | | | THT standard | 4-1462039-6 | |
| IM21GR | | | | | | SMT gull wing | 2-1462039-6 | |
| IM21TS | | | | | | THT standard | 1-1462039-5 | |
| IM22GR | | | 4.5VDC | | | SMT gull wing | 2-1462039-7 | |
| IM22TS | | | | | | THT standard | 2-1462039-8 | |
| IM23GR | 5VDC | SMT gull wing | 2-1462039-9 | | | | | |
| IM23TS | | THT standard | 3-1462039-0 | | | | | |
| IM23KS | | THT short | 6-1462039-7 | | | | | |
| IM26GR | 12VDC | SMT gull wing | 3-1462039-1 | | | | | |
| IM26TS | | THT standard | 3-1462039-2 | | | | | |
| | | | | | High sens. | | | |
| | | | | | Ultra high sensitive | | | |

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| Product code | Arrangement | Perf. type | Coil | Coil type | Coil | Terminals | Part number | |
|----------------------|-------------------------------|---------------|---------------------|-------------|----------|---------------------|---------------------|-------------|
| ³⁾ IM40GR | 2 form C, 2 CO contacts | Standard | 1.5VDC | Bistable | Standard | SMT gull wing | 5-1462037-1 | |
| ³⁾ IM40SR | | | | | | SMT short gull wing | 2-1462040-9 | |
| ³⁾ IM40JR | | | | | | SMT J-leg | 5-1462037-2 | |
| ³⁾ IM40NS | | | | | | THT narrow | 1-1462038-8 | |
| ³⁾ IM40TS | | | | | | THT standard | 5-1462037-0 | |
| ³⁾ IM41GR | | | | | | 3VDC | SMT gull wing | 5-1462037-4 |
| ³⁾ IM41SR | | | SMT short gull wing | | | | 2-1462040-0 | |
| ³⁾ IM41JR | | | SMT J-leg SMT | | | | 5-1462037-5 | |
| ³⁾ IM41NS | | | THT narrow | | | | 1-1462038-9 | |
| ³⁾ IM41TS | | | THT standard | | | | 5-1462037-3 | |
| ³⁾ IM42GR | | | 4.5VDC | | | | SMT gull wing | 3-1462037-1 |
| ³⁾ IM42SR | | | | | | SMT short gull wing | 3-1462040-1 | |
| ³⁾ IM42JR | | | | | | SMT J-leg | 5-1462037-7 | |
| ³⁾ IM42NS | | | | | | THT narrow | 2-1462038-0 | |
| ³⁾ IM42TS | | | | | | THT standard | 5-1462037-6 | |
| ³⁾ IM43GR | | | | | | 5VDC | SMT gull wing | 5-1462037-9 |
| ³⁾ IM43SR | | | SMT short gull wing | | | | 3-1462040-2 | |
| ³⁾ IM43JR | | | SMT J-leg | | | | 6-1462037-0 | |
| ³⁾ IM43NS | | | THT narrow | | | | 2-1462038-1 | |
| ³⁾ IM43TS | | | THT standard | | | | 5-1462037-8 | |
| ³⁾ IM44GR | | | 6VDC | | | | SMT gull wing | 6-1462037-2 |
| ³⁾ IM44SR | | | | | | SMT short gull wing | 3-1462040-3 | |
| ³⁾ IM44JR | | | | | | SMT J-leg | 6-1462037-3 | |
| ³⁾ IM44NS | | | | | | THT narrow | 2-1462038-2 | |
| ³⁾ IM44TS | | | | | | THT standard | 6-1462037-1 | |
| ³⁾ IM45GR | | | | | | 9VDC | SMT gull wing | 6-1462037-4 |
| ³⁾ IM45SR | | | SMT short gull wing | | | | 3-1462040-4 | |
| ³⁾ IM45JR | | | SMT J-leg | | | | 6-1462037-5 | |
| ³⁾ IM45NS | | | THT narrow | | | | 2-1462038-3 | |
| ³⁾ IM46GR | | | 12VDC | | | | SMT gull wing | 6-1462037-7 |
| IM46SR | | | | | | | SMT short gull wing | 3-1462040-5 |
| ³⁾ IM46JR | | | | | | SMT J-leg | 6-1462037-8 | |
| ³⁾ IM46NS | | | | | | THT narrow | 2-1462038-4 | |
| ³⁾ IM46TS | THT standard | 6-1462037-6 | | | | | | |
| IM47GR | 24VDC | SMT gull wing | | 7-1462037-0 | | | | |
| IM47JR | | SMT J-leg | 7-1462037-1 | | | | | |
| IM47NS | | THT narrow | 2-1462038-5 | | | | | |
| IM47TS | | THT standard | 6-1462037-9 | | | | | |
| ³⁾ IM48GR | | 2.4VDC | SMT gull wing | 1462039-8 | | | | |
| ³⁾ IM48SR | | | SMT short gull wing | 3-1462040-6 | | | | |

³⁾ Type VDE certified, for more information contact TE

AXICOM IM RELAY

SIGNAL RELAYS

| Product code | Arrangement | Perf. type | Coil | Coil type | Coil | Terminals | Part number | | |
|-----------------------|-------------------------------|-----------------|-------------|------------|----------|---------------|-------------|---------------|-------------|
| IM01CGR | 2 form C, 2 CO contacts | High dielectric | 3VDC | Monostable | Standard | SMT gull wing | 1462038-4 | | |
| IM01CTS | | | | | | THT standard | 9-1462038-6 | | |
| IM02CGR | | | 4.5VDC | | | SMT gull wing | 1462038-1 | | |
| IM03CGR | | | | | | | 1462038-2 | | |
| IM03CJR | | | 5VDC | | | SMT J-leg | 4-1462039-8 | | |
| IM03CTS | | | | | | THT standard | 4-1462039-7 | | |
| IM05CGR | | | 9VDC | | | SMT gull wing | 1462038-3 | | |
| IM06CGR | | | 12VDC | | | | 9-1462037-9 | | |
| IM06CJR | | | | | | SMT J-leg | 3-1462039-4 | | |
| IM06CTS | | | | | | THT standard | 4-1462037-9 | | |
| IM07CGR | | | 24VDC | | | SMT gull wing | 1462039-2 | | |
| IM07CTS | | | | | | THT standard | 1462039-1 | | |
| IM17CGR | | | | | | | High sens. | | 1462039-7 |
| ³⁾ IM41CGR | | | 3VDC | | | Bistable | Standard | SMT gull wing | 4-1462039-2 |
| ³⁾ IM42CGR | | | 4.5VDC | | | | | | 4-1462039-1 |
| ³⁾ IM43CGR | | | 5VDC | | | | | | 9-1462038-7 |
| ³⁾ IM48CGR | 2.4VDC | 9-1462039-0 | | | | | | | |
| IM02DGR | | High current | 4.5VDC | Monostable | Standard | SMT gull wing | 9-1462038-8 | | |
| IM02IJR | | | | | | SMT J-leg | 1462047-8 | | |
| IM02IGR | | | | | | SMT gull wing | 1462047-9 | | |
| IM03DGR | | | 5VDC | | | SMT gull wing | 9-1462038-9 | | |
| IM03DJR | | | | | | SMT J-leg | 3-1462039-3 | | |
| IM05DGR | | | 9VDC | | | SMT gull wing | 1-1462039-7 | | |
| IM06DGR | | | 12VDC | | | | 1-1462039-8 | | |
| IM06DJR | | | | | | SMT J-leg | 7-1462039-0 | | |
| IM06DTS | | | | | | THT standard | 3-1462039-8 | | |
| IM07DGR | | | 24VDC | | | SMT gull wing | 3-1462039-7 | | |
| IM07DJR | | | | | | SMT J-leg | 7-1462039-4 | | |
| IM07DTS | | | | | | THT standard | 7-1462039-2 | | |
| IM22DTS | | | 4.5VDC | | | | U.h.sens. | | 7-1462039-6 |
| IM41DGR | | | 3VDC | | | Bistable | Standard | SMT gull wing | 6-1462039-8 |
| IM42DGR | | | 4.5VDC | | | | | | 1-1462039-9 |
| IM42DNS | | | | | | | | THT narrow | 1-1462039-6 |
| IM46DNS | 12VDC | | 1-1462039-2 | | | | | | |
| IM47DJR | 24VDC | SMT J-leg | 7-1462039-5 | | | | | | |
| IM48DGR | 2.4VDC | | 1462039-9 | | | | | | |
| IM49DGR | 2VDC | | 2-1462039-2 | | | | | | |
| IM40IGR | 1.5VDC | SMT gull wing | 1462047-7 | | | | | | |
| IM48IGR | 2.4VDC | | 1462047-1 | | | | | | |
| IM49IGR | 2VDC | | 1462047-4 | | | | | | |

3) Type VDE certified, for more information contact TE

| Product code | Arrangement | Perf. type | Coil | Coil type | Coil | Terminals | Part number |
|--------------|-------------|------------------------|------------|------------|----------|---------------|-------------|
| IM02PGR | | High contact stability | 4.5VDC | Monostable | Standard | | 5-1462039-4 |
| IM02PNS | | | | | | THT narrow | 5-1462039-8 |
| IM03PGR | | | 5VDC | | | SMT gull wing | 5-1462039-5 |
| IM03PJR | | | | | | SMT J-leg | 6-1462039-6 |
| IM03PNS | | | THT narrow | | | 5-1462039-9 | |
| IM06PGR | | | 12VDC | | | SMT gull wing | 5-1462039-6 |
| IM06PNS | | | | THT narrow | | 6-1462039-0 | |
| IM42PGR | | | 4.5VDC | Bistable | | SMT gull wing | 5-1462039-7 |
| IM42PNS | | | | | | THT narrow | 7-1462039-8 |
| IM43PGR | | | | | | SMT gull wing | 7-1462039-3 |
| IM46PNS | | | | | | THT narrow | 6-1462039-1 |

3) Type VDE certified, for more information contact TE

Note:

This list represents the most common types and does not show all variants covered by this datasheet. Other types on request.

Notes:

1. Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.
2. Datasheets and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at <http://relays.te.com/definitions>.
3. Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change.

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