



+ RELAYS, CONTACTORS & SWITCHES

POWER RELAYS



✓ Active

TE CONNECTIVITY (TE)
SDT-S-105DMR,000
[OEG](#) | [SDT-R](#)

SDT-S-105DMR,000
TE Internal Number: 8-1419125-0
Alias ID: SDT-S-105DMR.000

[EU RoHS Compliant](#)
[EU ELV Compliant](#)

Power Relay Type Standard
Coil Magnetic System Monostable, DC
Coil Power Rating Class (mW) 500 – 600
Coil Power Rating DC (mW) 540
Coil Resistance (Ω) 46.3

 **PRODUCT DRAWING**
[English](#)

 **3D PDF**

DOCUMENTATION

Product Drawings

SDT-DMR CUSTOMER DRAWING
PDF
English

CAD Files

Customer View Model
3D_STP.ZIP
English

Customer View Model

2D_DXF.ZIP

English

3D PDF

PDF

3D

Customer View Model

3D_IGS.ZIP

English

Catalog Pages/Data Sheets

SDTR Series Relay Data Sheet English

PDF

English

Product Specifications

Product Specification

SDT-S-105DMR,000 Spec Sheet

PDF

Japanese

Definitions Relays

PDF

English

FEATURES



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

Power Relay Type Standard

Electrical Characteristics

Contact Limiting Breaking Current (A) 10
Coil Magnetic System Monostable, DC
Coil Power Rating Class (mW) 500 – 600
Coil Power Rating DC (mW) 540
Coil Resistance (Ω) 46.3
Coil Special Features UL Coil Insulation Class E
Coil Voltage Rating (VDC) 5
Contact Switching Load (Min) 100mA @ 5V
Contact Switching Voltage (Max) (VAC) 250
Contact Switching Voltage (Max) (VDC) 30
Contact Voltage Rating (VAC) 250
Contact Voltage Rating (VDC) 30
Insulation Initial Dielectric Between Contacts & Coil (Vrms) 4000
Contact Limiting Continuous Current (A) 10
Insulation Creepage Between Contact & Coil 3.2 mm [.126 in]
Contact Limiting Making Current (A) 10
Insulation Creepage Class (mm) 3 – 5.5
Contact Limiting Short-Time Current (A) 10
Insulation Initial Dielectric Between Open Contacts (Vrms) 1000
Insulation Initial Dielectric Between Coil & Contact Class (V) 3500 – 4000

Body Features

Weight 11 g [.388 oz]

Contact Features

Contact Arrangement 1 Form A (NO)
Contact Current Class (A) 5 – 10, 16
Contact Current Rating (Max) (A) 10
Contact Material AgNi90/10
Contact Number of Poles 1
Terminal Type PCB-THT

Mechanical Attachment

Relay Mounting Type Printed Circuit Board

Dimensions

Width Class (Mechanical) (mm) 8 – 10
Length 24 mm [.945 in]
Insulation Clearance Class (mm) 0 – 2.5
Width 10 mm [.394 in]
Insulation Clearance Between Contact & Coil 1.6 mm [.093 in]
Height Class (Mechanical) (mm) 20 – 25
Height 25 mm [.984 in]
Length Class (Mechanical) (mm) 20 – 25

Usage Conditions

Environmental Category of Protection RTII
Environmental Ambient Temperature Class (°C) 50 – 70
Environmental Ambient Temperature (Max) 70 °C [158 °F]

Packaging Features

Packaging Method Box & Tray, Box & Tube, Tray, Tube



Statement of Compliance

Statement of Compliance

PDF
