

Dimensions mm[inch]
tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

Isometric
Scale 2:1
 Maßstab 2:1

Layout
Top view
 Draufsicht

Marking
according to EN60062/factory code
 gem. EN60062/Fertigungsstätte

MEDER electronic
 SIL12-1A75-71M
 YW/P

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|-----|-------|-------|------|
| Coil resistance | | 900 | 1.000 | 1.100 | Ohm |
| Coil voltage | | | 12 | | VDC |
| Rated power | | | 144 | | mW |
| Pull-In voltage | | | | 8,4 | VDC |
| Drop-Out voltage | | 1,8 | | | VDC |

| Contact data 75 | Conditions | Min | Typ | Max | Unit |
|------------------------------|---|-------|-----|-----|------|
| Contact rating | Any DC combination of V & A not to exceed their individual max.'s | | | 10 | W |
| Switching voltage (<31 AT) | DC or Peak AC | | | 500 | V |
| Switching current | DC or Peak AC | | | 0,5 | A |
| Carry current | DC or Peak AC | | | 1 | A |
| Contact resistance static | Measured with 40% overdrive Start Value | | | 200 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 10 | | | GOhm |
| Breakdown voltage (20-30 AT) | according to IEC 255-5 | 1.000 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 0,5 | ms |
| Release time | measured with no coil excitation | | | 0,1 | ms |
| Capacity | @ 10 kHz across open switch | | 0,4 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|---|-----|-----|-------|
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 1,5 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC measuring voltage | 100 | | | GOhm |
| Capacity Coil/Contact | @ 10 kHz | | 0,7 | | pF |
| Housing material | | epoxy resin | | | |
| Connection pins | | CuFe2P, tin plated | | | |
| Magnetic Shield | | yes | | | |
| Approval | | VDE No. 40025270 | | | |
| Approval | | UL-File No. NRNT2.E156887 / NRNT8.E156887 | | | |
| Reach / RoHS conformity | | yes | | | |



Products for tomorrow...

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Item No.:
3312175271
Item:
SIL12-1A75-71M

| Environmental data | Conditions | Min | Typ | Max | Unit |
|-----------------------|------------------------------------|-----|-----|-----|--------------|
| Shock | 1/2 sine, duration 11ms, in 3 axis | | | 50 | g |
| Vibration | from 10 - 2000 Hz | | | 20 | g |
| Operating temperature | | -20 | | 70 | °C |
| Storage temperature | | -35 | | 95 | °C |
| Soldering temperature | wave soldering max. 5 sec. | | | 260 | °C |
| Washability | | | | | fully sealed |

| General data | Conditions | Min | Typ | Max | Unit |
|--------------|------------|-----|-----|-----|------------------|
| Total weight | | | 2,4 | | g |
| Packaging | | | | | tube per 25 pcs. |

Modifications in the sense of technical progress are reserved

Designed at: 08.03.04 Designed by: SCHELLHORN
Last Change at: 28.09.11 Last Change by: THAUKE

Approval at: 13.11.09 Approval by: JHEYDER
Approval at: 29.09.11 Approval by: CRUF

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