



| 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 |
| Coil current | | | 12 | | mA |
| Thermal resistance | | | 92 | | K/W |
| Inductance | | | 107 | | mH |
| Pull-In voltage | | | | 8,4 | VDC |
| Drop-Out voltage | | 1,8 | | | VDC |

| Contact data 66/3 | Conditions | Min | Typ | Max | Unit |
|----------------------------|-------------------------------------------------------------------|-----|-----|-----|------|
| Contact rating | Any DC combination of V & A not to exceed their individual max.'s | | | 10 | W |
| Switching voltage | DC or Peak AC | | | 200 | 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 | | | 150 | mOhm |
| Contact resistance dynamic | Maximum value 1,5 ms after excitation Start Value | | | 150 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 10 | | | GOhm |
| Breakdown voltage | according to EN 60255-5 | 250 | | | VDC |
| Capacity | @ 10 kHz across open switch | | 0,3 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|---------------------------|-----|-----|-------|
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 2,25 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC measuring voltage | 10 | | | TOhm |
| Housing material | | epoxy resin | | | |
| Connection pins | | CuFe2P, tin plated | | | |
| Magnetic Shield | | yes | | | |
| Approval | | UL-File Nr. NRNT2.E156887 | | | |
| Approval | | UL-File No. NRNT8.E156887 | | | |
| Reach / RoHS conformity | | yes | | | |



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Item No.:

3312100071

Item:

SIL12-1A72-71L

| 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 | | 85 | °C |
| Storage temperature | | -35 | | 100 | °C |
| Soldering temperature | wave soldering max. 5 sec. | | | 260 | °C |
| Washability | | fully sealed | | | |

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

Modifications in the sense of technical progress are reserved

Designed at: 04.03.04 Designed by: SCHELLHORN

Approval at: 30.09.09 Approval by: KOLBRICH

Last Change at: 27.06.14 Last Change by: THAUKE

Approval at: 27.06.14 Approval by: JHEYDER

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