



| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|-----|-----|------|------|
| Coil resistance | | 126 | 140 | 154 | Ohm |
| Coil voltage | | | 5 | | VDC |
| Rated power | | | 179 | | mW |
| Pull-In voltage | | | | 3,75 | VDC |
| Drop-Out voltage | | 0,5 | | | VDC |

| Contact Data 85 | Conditions | Min | Typ | Max | Unit |
|----------------------------|---|-----|-----|-------|-------|
| Contact rating | Any DC combination of V & A not to exceed their individual max.'s | | | 100 | W |
| Switching voltage | DC or Peak AC | | | 1.000 | V |
| Switching current | DC or Peak AC | | | 1 | A |
| Carry current | DC or Peak AC 100% Duty Cycle | | | 2,5 | A |
| Pulsed carry current | DC or Peak AC 5ms after coil excitation for 50ms max. | | | 3 | A |
| Contact resistance static | Measured with 40% overdrive | | | 150 | mOhm |
| Contact resistance dynamic | Maximum value 1,5 ms after excitation | | | 200 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 10 | | | GOhm |
| Breakdown voltage | | 4 | | | kV DC |
| Operate time incl. bounce | measured with 40% overdrive | | | 1,1 | ms |
| Release time | measured with no coil suppression | | | 0,1 | ms |
| Capacitance | @ 10 kHz across open switch | | 0,5 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|----------------------------------|-------------------------|--------------------------|-----|-----|-------|
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 4 | | | kV DC |
| Housing material | | epoxy resin | | | |
| Connection pins | | FeNi42, tin plated | | | |
| Magnetic Shield | | Internal Mu Metal Shield | | | |
| Reach / RoHS conformity | | yes | | | |



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Item No.:

3305185778

Item:

SHV05-1A85-78D4K

SIL05-1A85-78D4K

| 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 | | -40 | | 105 | °C |
| Storage temperature | | -40 | | 125 | °C |
| Soldering temperature | wave soldering max. 5 sec. | | | 260 | °C |
| Washability | | | | | fully sealed |

| General data | Conditions | Min | Typ | Max | Unit |
|--------------|------------|-----|-----|-----|------------------|
| Packaging | | | | | Tube per 20 pcs. |

Modifications in the sense of technical progress are reserved

Designed at: 12.12.14 Designed by: THAUKE

Approval at: 24.02.15 Approval by: DSTASTNY

Last Change at: 05.06.15 Last Change by: THAUKE

Approval at: 09.06.15 Approval by: JHEYDER

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