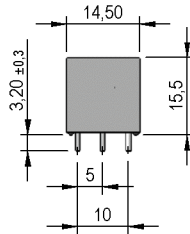
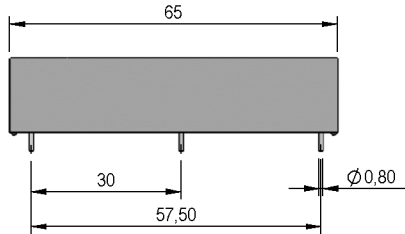
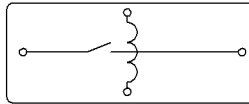


Dimensions mm[inch]

tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

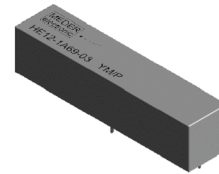


Layout
 Top view
 Draufsicht



Isometric

Scale 1:2
 Maßstab 1:2



Marking

according to EN60062/factory code
 gem. EN60062/Fertigungsstätte



| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|--|-----|-------|-----|------|
| Coil resistance | | 100 | 110 | 120 | Ohm |
| Coil voltage | | | 12 | | VDC |
| Rated power | | | 1.310 | | mW |
| Thermal resistance | max. Relay temperature = operating temperature + self heating | | 26 | | K/W |
| Pull-In voltage | | | | 9 | VDC |
| Drop-Out voltage | | 2 | | | VDC |

| Contact data 69 | Conditions | Min | Typ | Max | Unit |
|---------------------------|--|--------|-----|--------|------|
| Contact rating | Any DC combination of V & A not to exceed their individual max.'s | | | 50 | W |
| Switching voltage | DC or Peak AC | | | 10.000 | V |
| Switching current | DC or Peak AC | | | 3 | A |
| Carry current | DC or Peak AC | | | 5 | A |
| Contact resistance static | measured with nominal voltage at 20 °C | | | 150 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 10 | | | GOhm |
| Breakdown voltage | according to IEC 255-5 | 15.000 | | | VDC |
| Release time | measured with no coil excitation | | | 1,5 | ms |
| Operate time incl. bounce | measured with nominal voltage at 20 °C | | | 3 | ms |
| Capacitance | @ 10 kHz across open switch | | 0,8 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|-----|-------------------------|-----|-------|
| Number of contacts | | | 1 | | |
| Contact - form | | | A - NO | | |
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 15 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC measuring voltage | 1 | | | TOhm |
| Case colour | | | gray | | |
| Housing material | | | Polycarbonat | | |
| Sealing compound | | | Polyurethan | | |
| Connection pins | | | Copper alloy tin plated | | |
| Reach / RoHS conformity | | | yes | | |



Products for tomorrow...

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Item No.:
8512169003
Item:
HE12-1A69-03

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

| General data | Conditions | Min | Typ | Max | Unit |
|--------------|------------|---|-----|-----|------|
| Remark | | High voltage reed relay for pcb mounting. | | | |
| Total weight | | | 27 | | g |
| Packaging | | styropor plate 25 pcs./ each | | | |

Modifications in the sense of technical progress are reserved

Designed at: 02.02.11 Designed by: WKOVACS
Last Change at: 14.10.11 Last Change by: CRUF

Approval at: 07.10.11 Approval by: CRUF
Approval at: 14.10.11 Approval by: CRUF

Version: 02