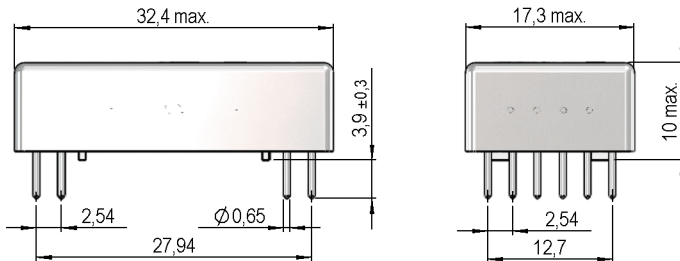


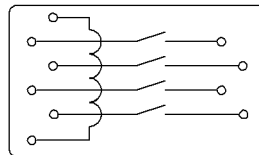
Dimensions (mm)

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



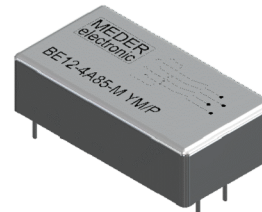
Layout

Top View
 Draufsicht



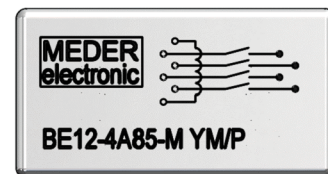
Isometric

Scale 1:1
 Massstab 1:1



Marking

according to EN60062/factory code
 gem. EN60062/Fertigungsstätte



| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|--|------|-----|-----|------|
| Coil resistance | | 234 | 260 | 286 | Ohm |
| Coil voltage | | | 12 | | VDC |
| Rated power | | | 554 | | mW |
| Thermal resistance | max. Relay temperature = operating temperature + self heating | | 47 | | K/W |
| Pull-In voltage | | | | 8,4 | VDC |
| Drop-Out voltage | | 0,75 | | | 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 |
| Contact resistance static | Measured with 40% overdrive | | | 150 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 1 | | | TOhm |
| Breakdown voltage (<20 AT) | | 2.000 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 1,1 | ms |
| Release time | measured with no coil excitation | | | 0,1 | ms |
| Capacitance | @ 10 kHz across open switch | | 0,5 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|-----|-----|-------------------------|-------|
| Number of contacts | | | | 4 | |
| Contact - form | | | | A - NO | |
| Dielectric Strength Coil/Contact | according to IEC 255-5 | 2 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC measuring voltage | 1 | | | TOhm |
| Case colour | | | | gray | |
| Housing material | | | | Metal | |
| Sealing compound | | | | Polyurethan | |
| Connection pins | | | | Copper alloy tin plated | |
| Magnetic Shield | | | | yes | |
| Reach / RoHS conformity | | | | yes | |



Products for tomorrow...

Europe: +49 / 7731 8399 0 | Email: info@meder.com
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Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:
8812485200
Item:
BE12-4A85-M

| 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 | | | 14 | | g |
| Packaging | | plastic tube a 28 pcs. | | | |

Modifications in the sense of technical progress are reserved

Designed at: 13.09.10 Designed by: WKOVACS
Last Change at: Last Change by:

Approval at: 02.03.11 Approval by: CRUF
Approval at: Approval by:

Version: 01