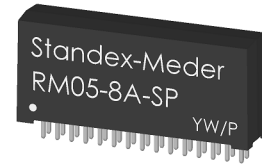
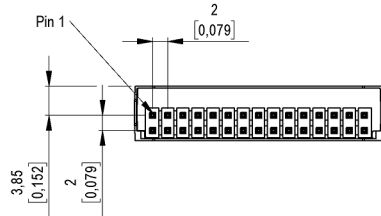


Dimensions mm[inch]

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

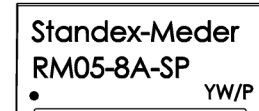
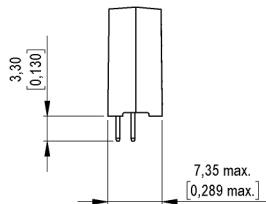
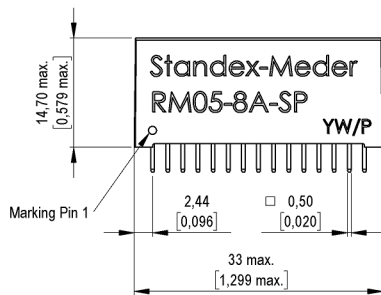
Isometric

Scale 1:2
 Maßstab 1:2

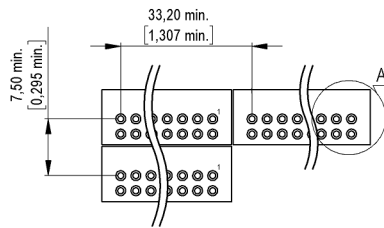


Marking

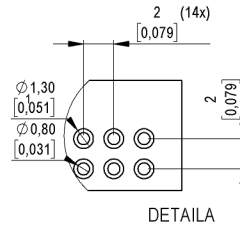
according to EN60062/Factory code
 gem. EN60062/Fertigungsstätte



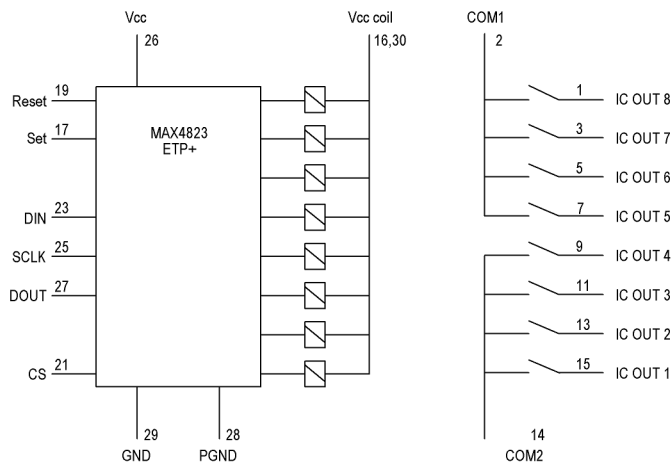
Recommended Matrix Layout



Recommended PCB Pad Layout



Block diagram





Europe: +49 / 7731 8399 0

| Email: info@standexmeder.com

USA: +1 / 508 295 0771

| Email: salesusa@standexmeder.com

Asia: +852 / 2955 1682

| Email: salesasia@standexmeder.com

Item No.:

9605080022

Item:

RM05-8A-SP

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|------|-----|------|------|
| Coil resistance | | 450 | 500 | 550 | Ohm |
| Nominal voltage | | | 5 | | VDC |
| Operating voltage | | 4,75 | 5 | 5,25 | VDC |
| Coil current | | 9 | 10 | 11 | mA |

| Contact data 80 | 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 | | | 100 | V |
| Switching current | DC or Peak AC | | | 0,5 | A |
| Carry current | DC or Peak AC | | | 0,5 | A |
| Contact resistance static | Measured with 40% overdrive Start Value | | | 200 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 1 | | | GOhm |
| Breakdown voltage | according to EN 60255-5 | 210 | | | VDC |
| Operate time incl. bounce | measured with 40% overdrive | | | 0,3 | ms |
| Capacitance | @ 10 kHz above open switch | | 0,1 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|-----|----------------------------------|-----|-------|
| Standby current | | | 0,1 | | mA |
| Number of contacts | | | 8 | | |
| 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 | | 0,2 | | pF |
| Housing material | | | Epoxy | | |
| Material connection pads | | | Phosphor Bronze (tinned) | | |
| Magnetic Shield | | | yes | | |
| Reach / RoHS conformity | | | yes | | |
| Remarks | | | IC= 8-Kanal relay driver MAX4823 | | |

| Environmental data | Conditions | Min | Typ | Max | Unit |
|-----------------------------|-----------------------------------|-----|--------------|-----|------|
| Operating temperature | | -20 | | 85 | °C |
| Storage temperature | | -35 | | 100 | °C |
| Soldering Temperature Tsold | Reflow acc.IPC/JEDEC J-STD-020D.1 | | | 260 | °C |
| Washability | | | fully sealed | | |

| General data | Conditions | Min | Typ | Max | Unit |
|--------------|------------|-----|-------------------------|-----|------|
| Packaging | | | ESD-Blister per 10 pcs. | | |

Modifications in the sense of technical progress are reserved

Designed at: 22.07.15 Designed by: THAUKE

Approval at: 12.10.16 Approval by: THAUKE

Last Change at: 25.08.17 Last Change by: THAUKE

Approval at: 28.08.17 Approval by: DSTASTNY

Version: 3