



Products for  
Automation...

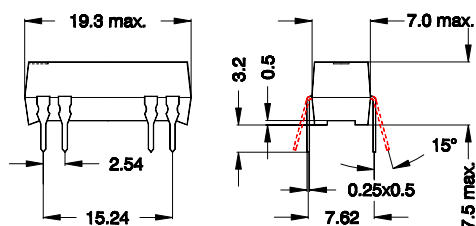
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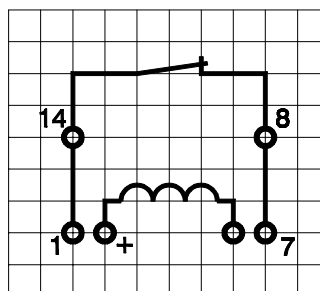
type: DIP24-1B72-19L

part number: 3224010019

### dimensions (tolerance $\pm 0,1\text{mm}$ )



### layout 19 L pitch 2,54 / top view



### marking

Type  
data-code EN 60062

MEDER electronic  
DIP24-1B72-19L YW

| coil data        | condition                                            | Min. | Typ. | Max. | unit     |
|------------------|------------------------------------------------------|------|------|------|----------|
| coil resistance  | at 20°C                                              | 1800 |      | 2200 | $\Omega$ |
| nominal voltage  |                                                      |      | 24   |      | VDC      |
| pull-in voltage  |                                                      |      |      | 16,8 | VDC      |
| drop-out voltage |                                                      | 3,6  |      |      | VDC      |
| return voltage   | at 20°C                                              | 31,2 |      |      |          |
| coil voltage     | at 60°C                                              |      |      | 28,5 | VDC      |
| nominal power    | determined with<br>nominal voltage and rated current |      | 288  |      | mW       |

| contact data 72(Form /Dry) |                                                                                                   |           |           |      |            |
|----------------------------|---------------------------------------------------------------------------------------------------|-----------|-----------|------|------------|
| contact material           |                                                                                                   |           | Ruthenium |      |            |
| rated power                | each combination of the switching voltage<br>and current must not exceed the given<br>rated power |           |           | 15   | W          |
| switching voltage          |                                                                                                   |           |           | 200  | VDC        |
| switching current          |                                                                                                   |           |           | 1,0  | A          |
| carry current              |                                                                                                   |           |           | 1,25 | A          |
| static contact resistance  | initial values measured with $1,4 \times AT_{\text{pull-in}}$                                     |           |           | 150  | m $\Omega$ |
| Insulation resistance      | RH $\Omega$ 45%                                                                                   | $10^{10}$ |           |      | $\Omega$   |
| breakdown voltage          |                                                                                                   | 250       |           |      | VDC        |
| capacitance                | without test coil                                                                                 |           |           | 0,3  | pF         |

| relay data                         |                                              |           |     |     |          |
|------------------------------------|----------------------------------------------|-----------|-----|-----|----------|
| insulation resistance coil-contact |                                              | $10^{11}$ |     |     | $\Omega$ |
| insulation voltage coil-contact    |                                              | 1,5       |     |     | kVDC     |
| shock                              | $\frac{1}{2}$ sine wave, duration 11ms       |           |     | 150 | g        |
| vibration                          | 50 – 2000Hz                                  |           |     | 10  | g        |
| operate time including bounce      | measured at $1,4 \times AT_{\text{pull-in}}$ |           | 0,5 |     | ms       |
| release time                       |                                              |           | 0,1 |     | ms       |

| general data          |            |     |                      |     |    |
|-----------------------|------------|-----|----------------------|-----|----|
| operating temperature |            | -20 |                      | 70  | °C |
| storing temperature   |            | -35 |                      | 95  | °C |
| soldering temperature | 10 sec. at |     |                      | 260 | °C |
| cleaning              |            |     | fully sealed         |     |    |
| material of case      |            |     | mineral-filled epoxy |     |    |
| material of pins      |            |     | Cu-alloy tinned      |     |    |