

MOS FEED THROUGH**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Compact and powerful solid-state relays in terminal block format

Saving space in the panel is becoming more and more important, and requires increasingly compact components. With the compact and powerful MICROOPTO solid-state relays, you benefit from our decades of experience in manufacturing products in terminal block format. The MICROOPTO family comprises high-quality solid-state relays for application-specific problem solving and delivers high performance in a width of just 6.1 mm. The wide range of accessories from plug-in cross-connections to end-to-end marking solutions makes it particularly versatile. Thanks to international approvals, they can be used worldwide. Reliable function is ensured by the integrated protective suppressor circuit for inputs and outputs. The wide MICROOPTO portfolio includes a range of solutions for special loads. For example, for inductive loads up to 10 A at 24 V DC or for DC loads up to 300 V. In addition, there are solutions for decoupling 5 V TTL inputs and outputs, for frequencies up to 550 kHz, as well as the single CO contact version for inverting signals.

General ordering data

| | |
|------------|--|
| Version | MICROOPTO, Feed-through terminal, Screw connection |
| Order No. | 8973450000 |
| Type | MOS FEED THROUGH |
| GTIN (EAN) | 4032248799534 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 97.8 mm | Depth (inches) | 3.85 inch |
| Height | 88.1 mm | Height (inches) | 3.468 inch |
| Width | 6.1 mm | Width (inches) | 0.24 inch |
| Net weight | 32 g | | |

Temperatures

| | | | |
|---------------------|---|-----------------------|----------------|
| Storage temperature | -40 °C...80 °C | Operating temperature | -25 °C...60 °C |
| Humidity | 5 - 93% rel. humidity, Tu = 40°C, no condensation | | |

Control side

| | |
|------------------|-----------|
| Status indicator | Green LED |
|------------------|-----------|

Load side

| | |
|---------------|------|
| Load category | LC A |
|---------------|------|

General data

| | | |
|------------------------------------|--------------------------|---------|
| Rail | | TS 35 |
| Colour | | black |
| UL94 flammability rating component | Component | Housing |
| | UL94 flammability rating | V-0 |

Insulation coordination

| | | | |
|---------------------------|------------------|---|--------|
| Rated voltage | 300 V | Pollution severity | 2 |
| Surge voltage category | III | Clearance and creepage distances for control side - load side | > 3 mm |
| Impulse withstand voltage | 4 kV (1.2/50 µs) | Protection degree | IP20 |

Connection data

| | | | |
|---|---------------------|---|---------------------|
| Stripping length | 7 mm | Wire connection method | Screw connection |
| Stripping length, rated connection | 7 mm | Tightening torque, min. | 0.4 Nm |
| Tightening torque, max. | 0.6 Nm | Clamping range, rated connection | 2.5 mm ² |
| Clamping range, min. | 0.5 mm ² | Clamping range, max. | 4 mm ² |
| Wire cross-section, solid, min. | 0.5 mm ² | Wire cross-section, solid, max. | 4 mm ² |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | Wire connection cross section, finely stranded, max. | 2.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm ² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 0.5 mm ² | Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 1.5 mm ² |
| Blade size | 0.6 x 3.5 mm | | |

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| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002586 | ETIM 7.0 | EC002586 |
| ETIM 8.0 | EC002586 | ETIM 9.0 | EC002586 |
| ECLASS 9.1 | 27-37-16-92 | ECLASS 10.0 | 27-37-16-92 |
| ECLASS 11.0 | 27-37-16-92 | ECLASS 12.0 | 27-37-16-92 |
| ECLASS 13.0 | 27-37-16-92 | | |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Approvals

Approvals

**Downloads**

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Drawings

Dimensional drawing

