

Isolation of potentials, in terminal format with PUSH IN connection

A

Wear-free technology, in a space-saving design.

The TERMOPTO opto modules are characterised by a particularly compact design, pluggable cross-connections and an optimal price-performance ratio. The TERMOPTO provides a compact, electronic alternative to electro-mechanical relays. It is suitable for isolation of potentials and signal conditioning. In contrast to traditional wear-prone, electro-mechanical solutions,

the TERMOPTO compact terminal requires no maintenance and features the integrated isolation of potential voltages. That saves space, reduces service overhead, and increases the availability of your facility. In addition, it reduces your need for accessories, since the cross-connectors and markers needed are the same as for the standard terminal portfolio.





Compact

The small size brings an over 80% space savings in the electrical cabinet, compared with conventional relay solutions.



Saves time

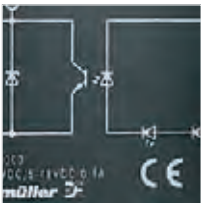


The no-screw PUSH IN connection method and the pluggable cross-connectors reduce wiring time by over 50%.



Enclosed design

The enclosed shape allows for space-saving alignment. No end plate is needed. The electronics are mechanically protected.



Durable

The no-wear semiconductor switch and comprehensive protective circuitry ensure a long product life and reliable switching cycles.

The TERMOPTO product line



TERMOPTO

Output variant
5...48 V DC 100 mA



TERMOPTO

Output variant
5...48 V DC 500 mA

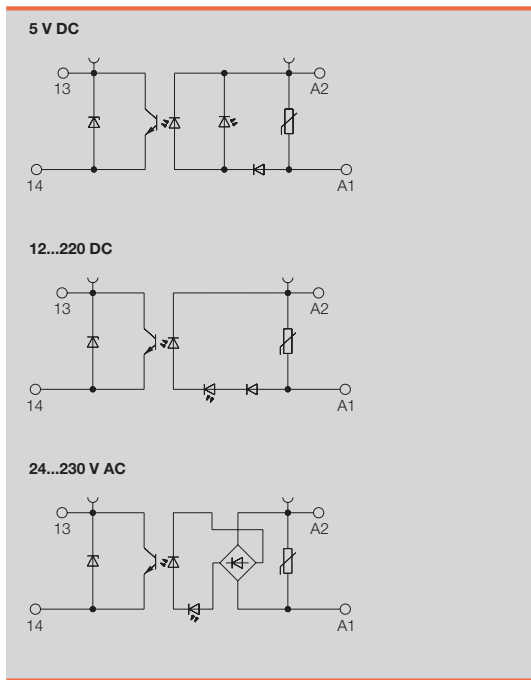


TERMOPTO

Output variant
24...230 V AC 100 mA

TERMOPTO - Opto modules

TERMOPTO output variants DC 100 mA



| Load side | | | |
|--|--|---------------------------|-----------------|
| Solid-state type | Transistor | | |
| Nominal switching voltage / current | 5...48 V DC / 100 mA | | |
| Voltage drop at max. load | < 1 V | | |
| Leakage current | < 10 µA | | |
| Short-circuit-proof / Protective circuit | No / Diode | | |
| Switch-off delay / Switch-on delay | < 42 µs / < 13 ms | | |
| Continuous current | 100 mA | | |
| Load category | DC1 | | |
| General data | | | |
| Ambient temperature (operational) | -20 °C...+60 °C | | |
| Storage temperature | -40 °C...+80 °C | | |
| Flammability class UL 94 | V-0 | | |
| Humidity | 5...95 % rel. humidity T _i = 40°C, no condensation | | |
| Approvals | cULus; CE | | |
| Standards | EN 50178, IEC 62314, UL508 | | |
| Insulation coordination (EN 50 178) | | | |
| Rated voltage | 300 V | | |
| Rated impulse withstand voltage | 4 kV | | |
| Clearance and creepage distances for control/load side | > 3 mm | | |
| Overvoltage category | III | | |
| Pollution severity | 2 | | |
| Dimensions | | | |
| Clamping range (nominal / min. / max.) | Screw connection | PUSH IN connection | |
| | mm ² | 2.5 / 0.5 / 4 | 1.5 / 0.5 / 2.5 |
| Length x width x height | mm | 74.5 / 6.1 / 55 | 79.5 / 6.1 / 55 |
| Note | | | |

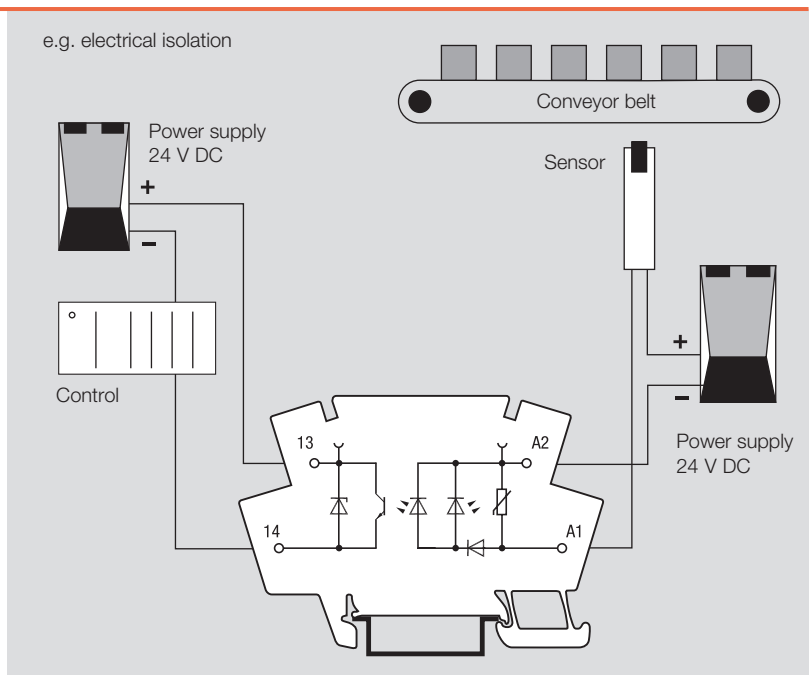
Applications

The **TERMOPTO** opto module is used in industrial applications in which electrical isolation and signal conditioning without switching amplification is sufficient.

The compact design in terminal-block format saves space on the rail and offers the option of a pluggable cross-connection.

The choice between 10 input voltages and 3 output voltages as well as between screw or PUSH IN connection technology gives 60 variations for different applications.

The integrated protective circuit ensures sufficient protection in applications with resistive as well as slightly inductive and capacitive loads. For purely inductive, capacitive or comparable loads with high switch-on and switch-off peaks, such as solenoid valves or filament lamps, ensure that the module is dimensioned appropriate or an additional safeguard is used.



TERMOPTO output variants DC 100 mA

| Ordering data | 5 V DC | 12 V DC | 24 V DC | 48...60 V DC | 110 V DC |
|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Control side | | | | | |
| Rated control voltage | 5 V DC | 12 V DC | 24 V DC | 48...60 V DC | 110 V DC |
| Power rating | < 40 mW | < 95 mW | ≤ 170 mW | < 200 mW | < 280 mW |
| making voltage | ≥ 4 V DC | ≥ 9.6 V DC | ≥ 19.2 V DC | ≥ 38.4 V AC | ≥ 88 V DC |
| Dropout voltage | ≤ 2 V DC | ≤ 4.8 V DC | ≤ 9.6 V DC | ≤ 19.2 V DC | ≤ 44 V DC |
| Input frequency | < 3000 Hz | < 3000 Hz | < 3000 Hz | < 500 Hz | < 500 Hz |
| Status indicator | Green LED | Green LED | Green LED | Green LED | Green LED |
| Protective circuit | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection |

| Ordering data | | | | | |
|-------------------------|---------------------|----------------------|----------------------|-------------------------|-----------------------|
| Screw connection Type | TOS 5VDC/48VDC 0,1A | TOS 12VDC/48VDC 0,1A | TOS 24VDC/48VDC 0,1A | TOS 48-60VDC/48VDC 0,1A | TOS 110VDC/48VDC 0,1A |
| Order No. | 8950700000 | 8950710000 | 8950720000 | 8950730000 | 8950740000 |
| PUSH IN connection Type | TOP 5VDC/48VDC 0,1A | TOP 12VDC/48VDC 0,1A | TOP 24VDC/48VDC 0,1A | TOP 48-60VDC/48VDC 0,1A | TOP 110VDC/48VDC 0,1A |
| Order No. | 8950760000 | 8950770000 | 8950780000 | 8950790000 | 8950800000 |

| Note | | | | | |
|------|--|--|--|--|--|
| | | | | | |

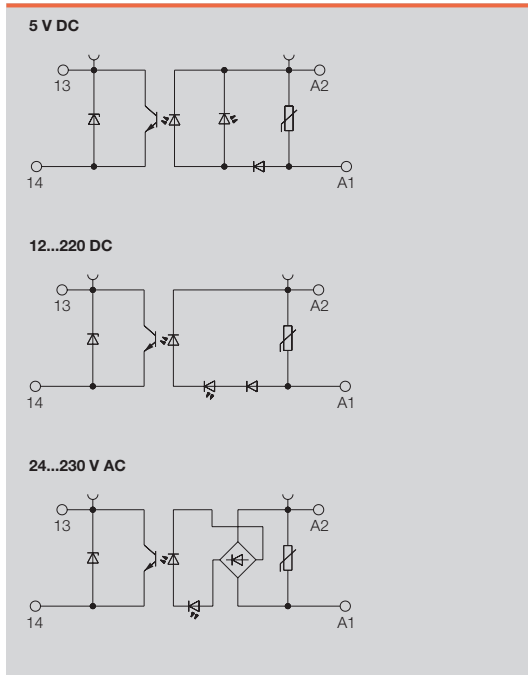
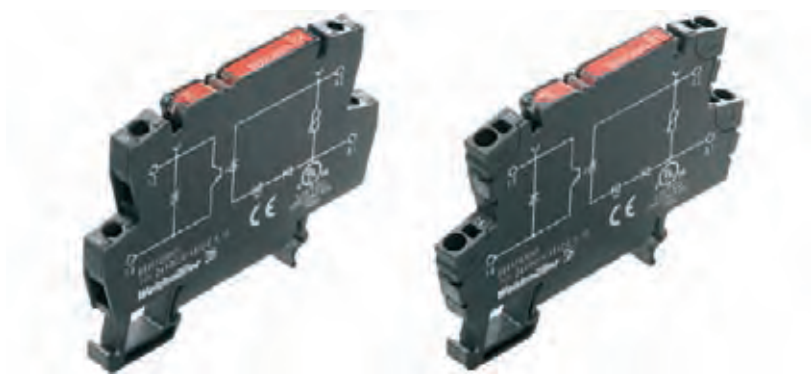
| Ordering data | 220 V DC | 24 V AC | 48...60 V AC | 120 V AC | 230 V AC |
|-----------------------|---------------------------------------|-------------|--------------|------------|------------|
| Control side | | | | | |
| Rated control voltage | 220 V DC | 24 V AC | 48...60 V AC | 120 V AC | 230 V AC |
| Power rating | ≤ 360 mW | < 0,18 VA | ≤ 0,2 VA | ≤ 0,3 VA | ≤ 0,4 VA |
| making voltage | ≥ 187 V DC | ≥ 21.6 V AC | ≥ 38.4 V AC | ≥ 102 V AC | ≥ 207 V AC |
| Dropout voltage | ≤ 93.5 V DC | ≤ 9.6 V AC | ≤ 19.2 V AC | ≤ 48 V AC | ≤ 69 V AC |
| Input frequency | < 500 Hz | < 10 Hz | < 10 Hz | < 10 Hz | < 10 Hz |
| Status indicator | Green LED | Green LED | Green LED | Green LED | Green LED |
| Protective circuit | Varistor, reverse polarity protection | Varistor | Varistor | Varistor | Varistor |

| Ordering data | | | | | |
|-------------------------|-----------------------|----------------------|-------------------------|-----------------------|-----------------------|
| Screw connection Type | TOS 220VDC/48VDC 0,1A | TOS 24VAC/48VDC 0,1A | TOS 48-60VAC/48VDC 0,1A | TOS 120VAC/48VDC 0,1A | TOS 230VAC/48VDC 0,1A |
| Order No. | 8950750000 | 8950820000 | 8950830000 | 8950840000 | 8950850000 |
| PUSH IN connection Type | TOP 220VDC/48VDC 0,1A | TOP 24VAC/48VDC 0,1A | TOP 48-60VAC/48VDC 0,1A | TOP 120VAC/48VDC 0,1A | TOP 230VAC/48VDC 0,1A |
| Order No. | 8950810000 | 8950860000 | 8950870000 | 8950880000 | 8950890000 |

| Note | | | | | |
|------|--|--|--|--|--|
| | | | | | |

TERMOPTO - Opto modules

TERMOPTO output variants DC 500 mA



| Load side | | | |
|--|--|---------------------------|-----------------|
| Solid-state type | Transistor | | |
| Nominal switching voltage / current | 5...48 V DC / 500 mA | | |
| Voltage drop at max. load | < 1 V | | |
| Leakage current | < 10 µA | | |
| Short-circuit-proof / Protective circuit | No / Diode | | |
| Switch-off delay / Switch-on delay | < 200 µs / < 20 µs | | |
| Continuous current | 500 mA | | |
| Load category | DC1 | | |
| General data | | | |
| Ambient temperature (operational) | -20 °C...+60 °C | | |
| Storage temperature | -40 °C...+80 °C | | |
| Flammability class UL 94 | V-0 | | |
| Humidity | 5...95 % rel. humidity T _h = 40°C, no condensation | | |
| Approvals | cULus; CE | | |
| Standards | EN 50178, IEC 62314, UL508 | | |
| Insulation coordination (EN 50 178) | | | |
| Rated voltage | 300 V | | |
| Rated impulse withstand voltage | 4 kV | | |
| Clearance and creepage distances for control/load side | > 3 mm | | |
| Overvoltage category | III | | |
| Pollution severity | 2 | | |
| Dimensions | | | |
| Clamping range (nominal / min. / max.) | Screw connection | PUSH IN connection | |
| | mm ² | 2.5 / 0.5 / 4 | 1.5 / 0.5 / 2.5 |
| Length x width x height | mm | 74.5 / 6.1 / 55 | 79.5 / 6.1 / 55 |
| Note | | | |

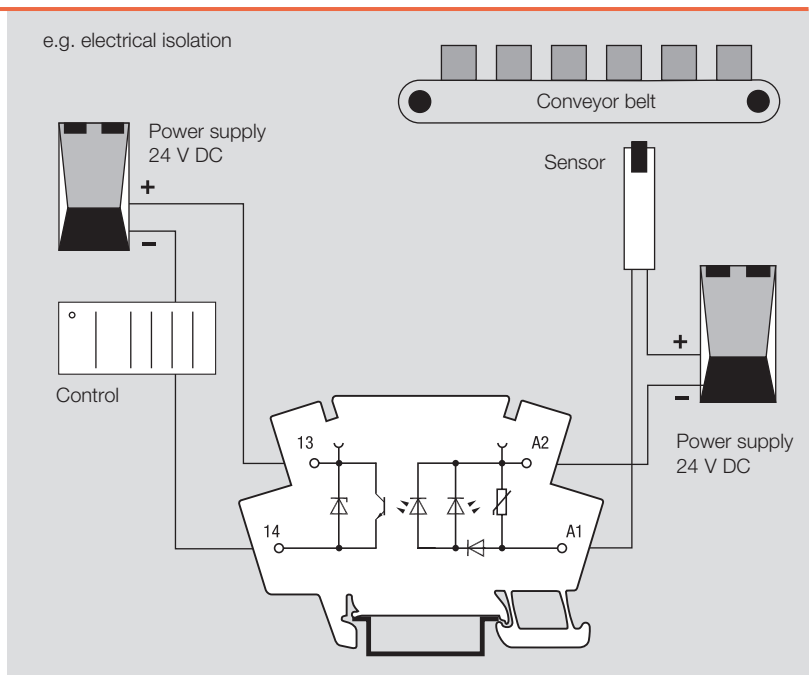
Applications

The **TERMOPTO** opto module is used in industrial applications in which electrical isolation and signal conditioning without switching amplification is sufficient.

The compact design in terminal-block format saves space on the rail and offers the option of a pluggable cross-connection.

The choice between 10 input voltages and 3 output voltages as well as between screw or PUSH IN connection technology gives 60 variations for different applications.

The integrated protective circuit ensures sufficient protection in applications with resistive as well as slightly inductive and capacitive loads. For purely inductive, capacitive or comparable loads with high switch-on and switch-off peaks, such as solenoid valves or filament lamps, ensure that the module is dimensioned appropriate or an additional safeguard is used.



TERMOPTO output variants DC 500 mA

| Ordering data | 5 V DC | 12 V DC | 24 V DC | 48...60 V DC | 110 V DC |
|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Control side | | | | | |
| Rated control voltage | 5 V DC | 12 V DC | 24 V DC | 48...60 V DC | 110 V DC |
| Power rating | < 40 mW | < 95 mW | ≤ 170 mW | ≤ 200 mW | ≤ 280 mW |
| making voltage | ≥ 4 V DC | ≥ 9.6 V DC | ≥ 19.2 V DC | ≥ 38.4 V DC | ≥ 88 V DC |
| Dropout voltage | ≤ 2 V DC | ≤ 4.8 V DC | ≤ 9.6 V DC | ≤ 19.2 V DC | ≤ 44 V DC |
| Input frequency | < 200 Hz | < 200 Hz | < 200 Hz | < 200 Hz | < 200 Hz |
| Status indicator | Green LED | Green LED | Green LED | Green LED | Green LED |
| Protective circuit | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection |

| Ordering data | | | | | |
|-------------------------|---------------------|----------------------|----------------------|-------------------------|-----------------------|
| Screw connection Type | TOS 5VDC/48VDC 0,5A | TOS 12VDC/48VDC 0,5A | TOS 24VDC/48VDC 0,5A | TOS 48-60VDC/48VDC 0,5A | TOS 110VDC/48VDC 0,5A |
| Order No. | 8950900000 | 8950910000 | 8950920000 | 8950930000 | 8950940000 |
| PUSH IN connection Type | TOP 5VDC/48VDC 0,5A | TOP 12VDC/48VDC 0,5A | TOP 24VDC/48VDC 0,5A | TOP 48-60VDC/48VDC 0,5A | TOP 110VDC/48VDC 0,5A |
| Order No. | 8950960000 | 8950970000 | 8950980000 | 8950990000 | 8951000000 |

| Note | | | | | |
|------|--|--|--|--|--|
| | | | | | |

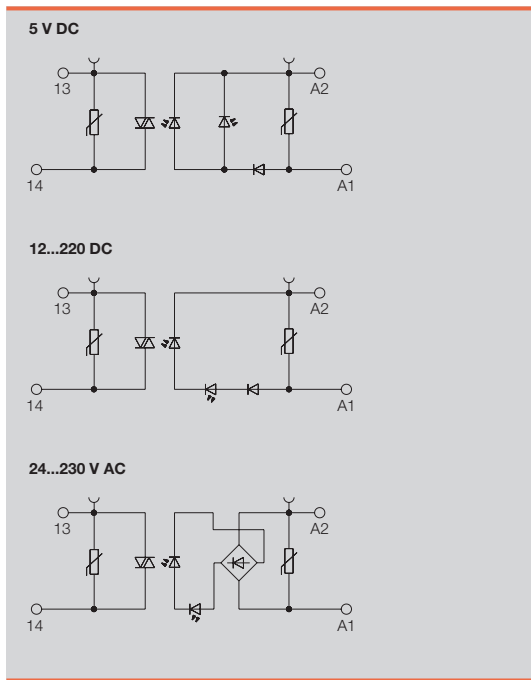
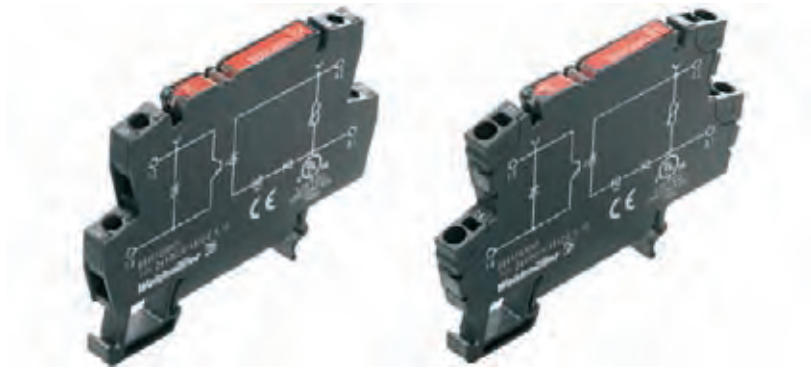
| Ordering data | 220 V DC | 24 V AC | 48...60 V AC | 120 V AC | 230 V AC |
|-----------------------|---------------------------------------|-------------|--------------|------------|------------|
| Control side | | | | | |
| Rated control voltage | 220 V DC | 24 V AC | 48...60 V AC | 120 V AC | 230 V AC |
| Power rating | ≤ 360 mW | < 0,18 VA | ≤ 0,2 VA | ≤ 0,3 VA | ≤ 0,4 VA |
| making voltage | ≥ 187 V DC | ≥ 21.6 V AC | ≥ 38.4 V AC | ≥ 102 V AC | ≥ 207 V AC |
| Dropout voltage | ≤ 93.5 V DC | ≤ 9.6 V AC | ≤ 19.2 V AC | ≤ 48 V AC | ≤ 69 V AC |
| Input frequency | < 200 Hz | < 10 Hz | < 10 Hz | < 10 Hz | < 10 Hz |
| Status indicator | Green LED | Green LED | Green LED | Green LED | Green LED |
| Protective circuit | Varistor, reverse polarity protection | Varistor | Varistor | Varistor | Varistor |

| Ordering data | | | | | |
|-------------------------|-----------------------|----------------------|-------------------------|-----------------------|-----------------------|
| Screw connection Type | TOS 220VDC/48VDC 0,5A | TOS 24VAC/48VDC 0,5A | TOS 48-60VAC/48VDC 0,5A | TOS 120VAC/48VDC 0,5A | TOS 230VAC/48VDC 0,5A |
| Order No. | 8950950000 | 8951020000 | 8951030000 | 8951040000 | 8951050000 |
| PUSH IN connection Type | TOP 220VDC/48VDC 0,5A | TOP 24VAC/48VDC 0,5A | TOP 48-60VAC/48VDC 0,5A | TOP 120VAC/48VDC 0,5A | TOP 230VAC/48VDC 0,5A |
| Order No. | 8951010000 | 8951060000 | 8951070000 | 8951080000 | 8951090000 |

| Note | | | | | |
|------|--|--|--|--|--|
| | | | | | |

TERMOPTO - Opto modules

TERMOPTO output variants AC 100 mA



| Load side | | |
|--|--|--------------------|
| Solid-state type | Triac | |
| Nominal switching voltage / current | 24...230 V AC / 100 mA | |
| Voltage drop at max. load | < 1.8 V | |
| Leakage current | < 10 µA | |
| Short-circuit-proof / Protective circuit | No / Varistor | |
| Switch-off delay / Switch-on delay | | |
| Continuous current | 100 mA | |
| Load category | AC1 | |
| General data | | |
| Ambient temperature (operational) | -20 °C...+60 °C | |
| Storage temperature | -40 °C...+80 °C | |
| Flammability class UL 94 | V-0 | |
| Humidity | 5...95 % rel. humidity | |
| | T _i = 40°C, no condensation | |
| Approvals | cULus; CE | |
| Standards | EN 50178, IEC 62314, UL508 | |
| Insulation coordination (EN 50 178) | | |
| Rated voltage | 300 V | |
| Rated impulse withstand voltage | 4 kV | |
| Clearance and creepage distances for control/load side | > 3 mm | |
| Overvoltage category | III | |
| Pollution severity | 2 | |
| Dimensions | | |
| | Screw connection | PUSH IN connection |
| Clamping range (nominal / min. / max.) | mm ² 2.5 / 0.5 / 4 | 1.5 / 0.5 / 2.5 |
| Length x width x height | mm 74.5 / 6.1 / 55 | 79.5 / 6.1 / 55 |
| Note | | |

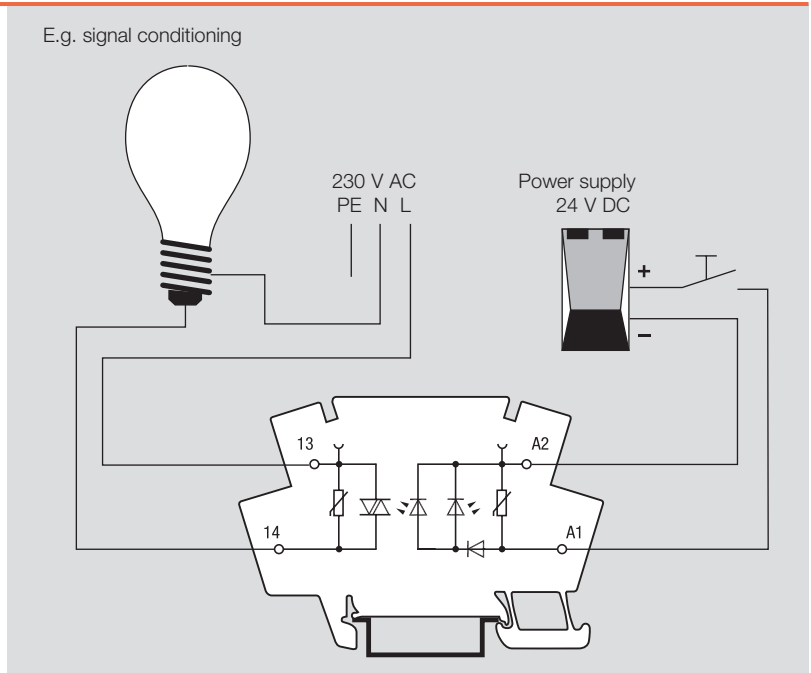
Applications

The **TERMOPTO** opto module is used in industrial applications in which electrical isolation and signal conditioning without switching amplification is sufficient.

The compact design in terminal-block format saves space on the rail and offers the option of a pluggable cross-connection.

The choice between 10 input voltages and 3 output voltages as well as between screw or PUSH IN connection technology gives 60 variations for different applications.

The integrated protective circuit ensures sufficient protection in applications with resistive as well as slightly inductive and capacitive loads. For purely inductive, capacitive or comparable loads with high switch-on and switch-off peaks, such as solenoid valves or filament lamps, ensure that the module is dimensioned appropriate or an additional safeguard is used.



TERMOPTO output variants AC 100 mA

| Ordering data | 5 V DC | 12 V DC | 24 V DC | 48...60 V DC | 110 V DC |
|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Control side | | | | | |
| Rated control voltage | 5 V DC | 12 V DC | 24 V DC | 48...60 V DC | 110 V DC |
| Power rating | < 40 mW | < 45 mW | ≤ 80 mW | ≤ 170 mW | ≤ 360 mW |
| making voltage | ≥ 4 V DC | ≥ 9.6 V DC | ≥ 19.2 V DC | ≥ 38.4 V DC | ≥ 88 V DC |
| Dropout voltage | ≤ 2 V DC | ≤ 4.8 V DC | ≤ 9.6 V DC | ≤ 19.2 V DC | ≤ 44 V DC |
| Input frequency | < 10 Hz | < 10 Hz | < 10 Hz | < 10 Hz | < 10 Hz |
| Status indicator | Green LED | Green LED | Green LED | Green LED | Green LED |
| Protective circuit | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection | Varistor, reverse polarity protection |

| Ordering data | | | | | |
|-------------------------|----------------------|-----------------------|-----------------------|--------------------------|------------------------|
| Screw connection Type | TOS 5VDC/230VAC 0,1A | TOS 12VDC/230VAC 0,1A | TOS 24VDC/230VAC 0,1A | TOS 48-60VDC/230VAC 0,1A | TOS 110VDC/230VAC 0,1A |
| Order No. | 8951100000 | 8951110000 | 8951120000 | 8951130000 | 8951140000 |
| PUSH IN connection Type | TOP 5VDC/230VAC 0,1A | TOP 12VDC/230VAC 0,1A | TOP 24VDC/230VAC 0,1A | TOP 48-60VDC/230VAC 0,1A | TOP 110VDC/230VAC 0,1A |
| Order No. | 8951160000 | 8951170000 | 8951180000 | 8951190000 | 8951200000 |

| Note | | | | | |
|------|--|--|--|--|--|
| | | | | | |

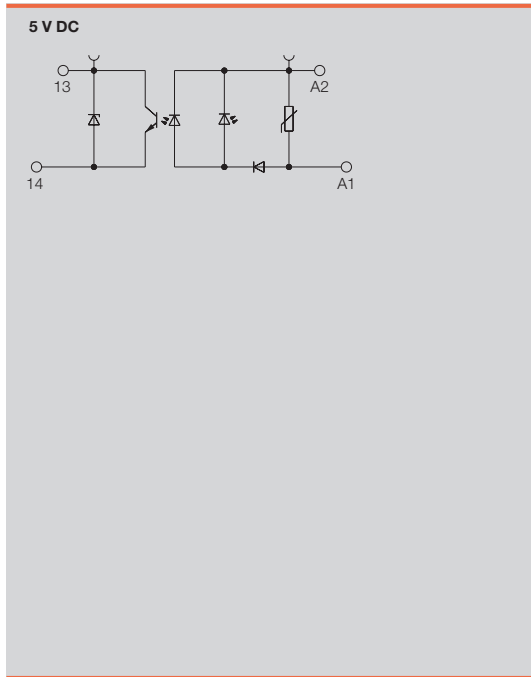
| Ordering data | 220 V DC | 24 V AC | 48...60 V AC | 120 V AC | 230 V AC |
|-----------------------|---------------------------------------|-------------|--------------|------------|------------|
| Control side | | | | | |
| Rated control voltage | 220 V DC | 24 V AC | 48...60 V AC | 120 V AC | 230 V AC |
| Power rating | ≤ 640 mW | ≤ 0,2 VA | ≤ 0,3 VA | ≤ 0,8 VA | ≤ 1,38 VA |
| making voltage | ≥ 187 V DC | ≥ 21.6 V AC | ≥ 38.4 V AC | ≥ 102 V AC | ≥ 207 V AC |
| Dropout voltage | ≤ 93.5 V DC | ≤ 9.6 V AC | ≤ 19.2 V AC | ≤ 48 V AC | ≤ 69 V AC |
| Input frequency | < 10 Hz | < 10 Hz | < 10 Hz | < 10 Hz | < 10 Hz |
| Status indicator | Green LED | Green LED | Green LED | Green LED | Green LED |
| Protective circuit | Varistor, reverse polarity protection | Varistor | Varistor | Varistor | Varistor |

| Ordering data | | | | | |
|-------------------------|------------------------|-----------------------|--------------------------|------------------------|------------------------|
| Screw connection Type | TOS 220VDC/230VAC 0,1A | TOS 24VAC/230VAC 0,1A | TOS 48-60VAC/230VAC 0,1A | TOS 120VAC/230VAC 0,1A | TOS 230VAC/230VAC 0,1A |
| Order No. | 8951150000 | 8951220000 | 8951230000 | 8951240000 | 8951250000 |
| PUSH IN connection Type | TOP 220VDC/230VAC 0,1A | TOP 24VAC/230VAC 0,1A | TOP 48-60VAC/230VAC 0,1A | TOP 120VAC/230VAC 0,1A | TOP 230VAC/230VAC 0,1A |
| Order No. | 8951210000 | 8951260000 | 8951270000 | 8951280000 | 8951290000 |

| Note | | | | | |
|------|--|--|--|--|--|
| | | | | | |

TERMOPTO - Opto modules

TERMOPTO output variants DC 4 A



| Load side | | |
|--|---|---------------------------|
| Solid-state type | Transistor | |
| Nominal switching voltage / current | 3...33 V DC / 4 A | |
| Voltage drop at max. load | < 1 V | |
| Leakage current | < 10 µA | |
| Short-circuit-proof / Protective circuit | No / Diode | |
| Switch-off delay / Switch-on delay | < 200 µs / < 20 µs | |
| Continuous current | 4 A | |
| Load category | DC1 | |
| General data | | |
| Ambient temperature (operational) | -20 °C...+60 °C | |
| Storage temperature | -40 °C...+80 °C | |
| Flammability class UL 94 | V-0 | |
| Humidity | 5...95 % rel. humidity | |
| | T _{st} = 40°C, no condensation | |
| Approvals | CE; cULus | |
| Standards | EN 50178, IEC 62314, UL508 | |
| Insulation coordination (EN 50 178) | | |
| Rated voltage | 300 V | |
| Rated impulse withstand voltage | 4 kV | |
| Clearance and creepage distances for control/load side | > 3 mm | |
| Overvoltage category | III | |
| Pollution severity | 2 | |
| Dimensions | | |
| | Screw connection | PUSH IN connection |
| Clamping range (nominal / min. / max.) | mm ² 2.5 / 0.5 / 4 | 1.5 / 0.5 / 2.5 |
| Length x width x height | mm 74.5 / 6.1 / 55 | 79.5 / 6.1 / 55 |
| Note | | |

Ordering data

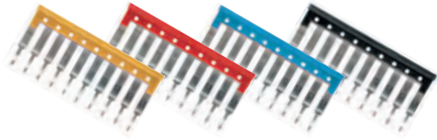
| 24 V DC | |
|-----------------------|---------------------------------------|
| Rated control voltage | 24 V DC |
| Power rating | ≤ 170 mW |
| making voltage | ≥ 16.8 V DC |
| Dropout voltage | ≤ 9.6 V DC |
| Input frequency | 10 Hz |
| Status indicator | Green LED |
| Protective circuit | Varistor, reverse polarity protection |
| Ausschaltverzögerung | 200 µs |
| Einschaltverzögerung | 20 µs |

| Ordering data | |
|----------------------|-----------------------------|
| Screw connection | Type TOS 24VDC/24VDC 4A |
| | Order No. 1275100000 |
| PUSH IN connection | Type TOP 24VDC/24VDC 4A |
| | Order No. 1254880000 |

Note



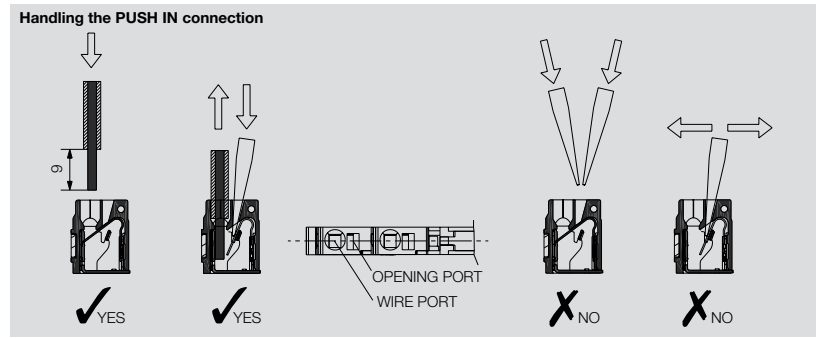
Accessories



Plug-in cross-connection

| Type | No. of poles | Qty. | Order No. |
|----------------|--------------|------|------------|
| yellow | | | |
| ZQV 4N / 2 GE | 2 | 60 | 1758250000 |
| ZQV 4N / 3 GE | 3 | 60 | 1762630000 |
| ZQV 4N / 4 GE | 4 | 60 | 1762620000 |
| ZQV 4N / 10 GE | 10 | 20 | 1758260000 |
| ZQV 4N / 20 GE | 20 | 20 | 1909020000 |
| red | | | |
| ZQV 4N / 2 RT | 2 | 60 | 1793950000 |
| ZQV 4N / 3 RT | 3 | 60 | 1793980000 |
| ZQV 4N / 4 RT | 4 | 60 | 1794010000 |
| ZQV 4N / 10 RT | 10 | 20 | 1794040000 |
| ZQV 4N / 20 RT | 20 | 20 | 1909150000 |
| blue | | | |
| ZQV 4N / 2 BL | 2 | 60 | 1793960000 |
| ZQV 4N / 3 BL | 3 | 60 | 1793990000 |
| ZQV 4N / 4 BL | 4 | 60 | 1794020000 |
| ZQV 4N / 10 BL | 10 | 20 | 1794050000 |
| ZQV 4N / 20 BL | 20 | 20 | 1909100000 |
| black | | | |
| ZQV 4N / 2 SW | 2 | 60 | 1793970000 |
| ZQV 4N / 3 SW | 3 | 60 | 1794000000 |
| ZQV 4N / 4 SW | 4 | 60 | 1794030000 |
| ZQV 4N / 10 SW | 10 | 20 | 1794060000 |
| ZQV 4N / 20 SW | 20 | 20 | 1909120000 |

General data – TERMOPTO



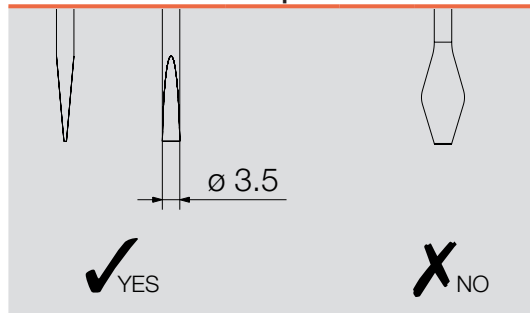
Technical data

| Conductor | | PUSH IN connection | Screw connection |
|--|-----------------|--------------------|------------------|
| Solid H07V-U | mm ² | 0.5...1.5 | 0.5...2.5 |
| Stranded H07V-K | mm ² | 0.5...1.5 | 0.5...2.5 |
| "f" with wire end ferrules to DIN 46228-1 | mm ² | 0.5...1.5 | 0.5...1.5 |
| "f" with wire end ferrules with plastic collar | mm ² | 0.5...1.5 | 0.5...1.5 |
| Max. clamping range | mm ² | 0.13...1.5 | 0.13...2.5 |
| Plug gauge to IEC 60947-1 | size | A 2 | A 3 |
| General technical data | | | |
| Nominal torque | Nm | - | 0,6 |
| Continuous current for 2-pole cross-connection | A | 10 | 10 |
| Continuous current for multi-pole cross-connection | A | 10 | 10 |
| Stripping length | mm | 10 | 9 |
| Ingress protection class | | IP 20 | IP 20 |
| Housing material | | Wemid | Wemid |
| UL 94 flammability rating | | V-0 | V-0 |
| Nominal current | A | 6 | 6 |
| Nominal voltage | V | 250 | 250 |

Other accessories

| Type | Qty. | Order No. |
|--------------------------|------------------|-----------|
| Markers | | |
| WS 12/6 | 12 x 6 mm | 600 |
| Labels, Lasermark | | |
| LM MT 300 15/6 ge | 484 labels/sheet | 10 |
| Screwdriver | | |
| SD 0,6 x 3,5 x 100 | | 10 |

Screwdriver – blade shape



Dimensions

