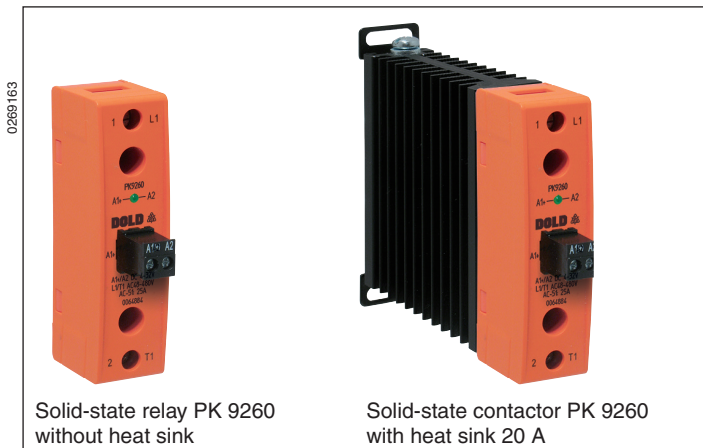


**POWERSWITCH**  
**Solid-State Relay / - Contactor For Resistive Load**  
**PK 9260**

Translation  
of the original instructions



**Your Advantages**

- High switching frequency and long life
- Space saving, only 22.5 mm width
- To be mounted on cooling surface with only 2 screws
- With heat sink for DIN-rail mounting
- Silent
- Vibration- and shock resistance

**Features**

- AC solid-state relay / -contactor
- PK 9260/\_\_\_ according to IEC/EN 62314
- PK 9260/\_\_\_/\_\_\_ according to IEC/EN 60947-4-2 and -4-3
- Load current up to 88 A, AC-51
- Switching at zero crossing for resistive loads
- 2 anti-parallel thyristors
- DCB technology (direct bonding method) for excellent heat transmission properties
- As option with:
  - M4 flat terminal or
  - M5 screw terminal for cable lug
- LED status indicator
- Peak reverse voltage up to  $\pm 1600$  V
- Insulation voltage 4000 V
- As option with heat sink, for DIN rail mounting

**Product Description**

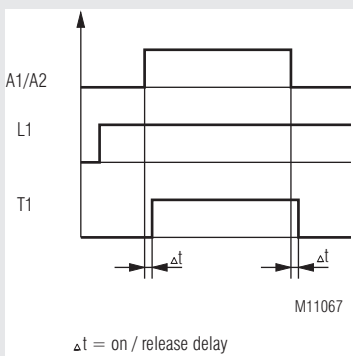
The solid-state relay PK 9260 is designed with 2 anti-parallel connected thyristors switching at zero crossing for resistive loads (e.g. heating systems). When connecting the control voltage the output of the solid-state relay is activated at the next zero crossing of the sinusoidal voltage. When disconnecting the control voltage the output is switched off at the next zero crossing of the load current. The LED shows the state of the control input.

**Approvals and Markings**



\*) Depending on variant

**Function Diagram**



**Applications**

**Solid-state relays switching at zero crossing:**

For frequent no-wear and no-noise switching of:

- Heating systems
- Cooling systems
- Lighting systems

The solid-state relay switches at zero crossing and is suitable for many applications e.g. extrusion machines for plastic and rubber, packaging machines, solder lines, machines in food industry.

**Notes**

Depending on the application it may be useful to protect the solid-state relay with special superfast semiconductor fuses against shortcircuit.

**Without heat sink**

The solid-state relay can be mounted on existing cooling surfaces. Depending on the load, sufficient ventilation has to be provided.

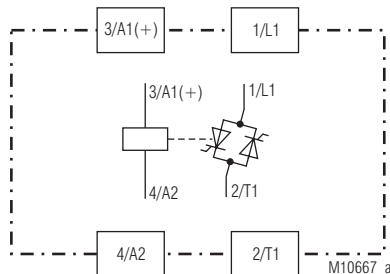
**With heat sink**

For optimised heat dissipation the solid-state relays can be delivered with special dimensioned heat sinks. Depending on the ambient conditions and the load this helps to select the correct solid-state relay and heat sink. The heat sinks can be clipped on DIN-rail.

**Operation Notes**

EMC disturbance during operation has to be reduced by corresponding measures and filters. If several solid-state relays are mounted together sufficient cooling and ventilation has to be provided.

**Circuit Diagram**



**Connection Terminals**

| Terminal designation | Signal description |
|----------------------|--------------------|
| A1(+), A2            | Control input      |
| L1                   | Mains connection   |
| T1                   | Load output        |

**Safety Notes For Variants With Fan**



**Risk of fire or other thermal hazards!**  
**Danger to life, risk of serious injuries or property damage.**

- The device has no overtemperature alarm. If the fan fails, the unit may overheat and become a fire hazard.
- The user must take precautions to detect a fan failure.

**Control Circuit**








|                             |  |   |   |
|-----------------------------|--|---|---|
| Control voltage range [V]:  | DC 4 ... 32                              | AC/DC 18 ... 30                         | AC 100 ... 240                          |
| Pick-up Voltage [V]:        | 3,0                                      | 10                                      | 80                                      |
| Drop-out voltage [V]:       | 1.0                                      | 6.0                                     | 25                                      |
| Nominal input current [mA]: | 12                                       | 25 at 24 V AC                           | 20 at 240 V AC                          |
| Turn-on delay [ms]:         | $\leq 1.0 + \frac{1}{2} \text{ cycle}^*$ | $\leq 5 + \frac{1}{2} \text{ cycle}^*$  | $\leq 10 + \frac{1}{2} \text{ cycle}^*$ |
| Turn-off delay [ms]:        | $\leq 1.0 + \frac{1}{2} \text{ cycle}^*$ | $\leq 20 + \frac{1}{2} \text{ cycle}^*$ | $\leq 35 + \frac{1}{2} \text{ cycle}^*$ |

<sup>\*)</sup>  $\frac{1}{2}$  cycle delay only when switching at 0-crossing, at instantaneous switching the delay = 0

**Output**

|                           |            |            |            |
|---------------------------|------------|------------|------------|
| Load voltage AC [V]:      | 24 ... 240 | 48 ... 480 | 48 ... 600 |
| Peak reverse voltage [V]: | 650        | 1200       | 1600       |
| Frequency range [Hz]:     | 47 ... 63  |            |            |

**Solid-state relays without factory mounted heat sink / Heat sink see table**

|  |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|
| Load current $I_{\text{Inenn}}$ [A] / AC-51:   | 25  | 25*   | 35  | 50  | 50*   | 72  | 88  |
| Approval   |  |  |  |  |  |  |  |
| AC-51 Load current $I_{\text{Inenn}}$ [A] at $T_u = 25^\circ\text{C}$<br>(max. current at $T_j < 125^\circ\text{C}$ ): | 25  | 25*   | 35  | 50  | 50*   | 72  | 88  |
| Max. overload current [A], $t = 10 \text{ ms}$ :   | $\leq 300$  | $\leq 1150$   | $\leq 400$  | $\leq 620$  | $\leq 1150$   | $\leq 1050$   | $\leq 1150$   |
| Load limit integral $I^2t$ [ $\text{A}^2\text{s}$ ]:   | 720   | 6600  | 800   | 1920  | 6600  | 5500  | 6600  |
| Off-state leakage current [mA]   | $\leq 1.5$  |   |   |   |   |   |   |
| Min. current [mA]  | 20  |   |   |   |   |   |   |
| On-state voltage at rated current [V]:   | 1.2   | 1.1   | 1.2   | 1.2   | 1.1   | 1.1   | 1.2   |
| Off-state voltage $dV/dt$ [ $\text{V}/\mu\text{s}$ ]:  | 500   | 500   | 500   | 1000  | 1000  | 1000  | 1000  |
| Rate of rise of current $di/dt$ [ $\text{A}/\mu\text{s}$ ]:  | 150   | 150   | 100   | 150   | 150   | 150   | 150   |

















<sup>\*)</sup> At variant /1\_\_ : High  $I^2t$  value

**Thermal Data - Solid-state relays -**

|   |            |      |      |      |      |      |      |
|---|------------|------|------|------|------|------|------|
| Solid-state relays without heat sink Load current $I_{\text{Inenn}}$ [A] / AC-51: | 25         | 25*  | 35   | 50   | 50*  | 72   | 88   |
| Thermal resistance Junction ambient [K/W]:  | 10         |      |      |      |      |      |      |
| Thermal resistance Junction housing [K/W]:  | 0.55       | 0.25 | 0.48 | 0.36 | 0.25 | 0.35 | 0.25 |
| Max. junction temperature [ $^\circ\text{C}$ ]:                                   | $\leq 125$ |      |      |      |      |      |      |

<sup>\*)</sup> At variant /1\_\_ : High  $I^2t$  value

**Solid-state relays with factory mounted heat sink / Heat sink see table**

|  |   |   |   |   |   |   |   |   |             |
|--|---|---|---|---|---|---|---|---|-------------|
| AC-51 Load current $I_{nenn}$ [A]<br>at $T_u = 40^\circ\text{C}$ (acc. to EN 60947-4-3)                        | 10  | 15  | 15*   | 20  | 30  | 40  | 40*   | 50  | 88          |
| AC-51 Load current $I_{nenn}$ [A] at $T_u = 25^\circ\text{C}$<br>(max. current at $T_j < 125^\circ\text{C}$ ): | 15  | 25  | 25*   | 35  | 35  | 50  | 50*   | 72  | 88          |
| Factory mounted heat sink  | /00   | /03   | /03   | /04   | /07   | /05   | /05   | /06   | /16         |
| Approval with M4 Flat terminals<br>Variant /xx0:   |  |  |  |  |  |  |  |  | -           |
| Approval with M5 screw or bolt terminals<br>Variants /xx1 bzw. /xx2:   |  |  |  |  |  |  |  |  | -           |
| UL Data:<br>Load current $I_{nenn}$ [A]  | 7,5   | 15  | 15  | 20  | 25  | 35  | 35  | 50  | -           |
| Current reduction from $T_u = > 40^\circ\text{C}$ [A / °C]   | 0,2   | 0,3   | 0,3   | 0,4   | 0,6   | 0,8   | 0,8   | 1,0   | 1,0         |
| Max. overload current [A], $t = 10$ ms:  | $\leq 200$  | $\leq 300$  | $\leq 1150$   | $\leq 400$  | $\leq 400$  | $\leq 620$  | $\leq 1150$   | $\leq 1050$   | $\leq 1150$ |
| Load limit integral $I^2t$ [A <sup>2</sup> s]:   | 200   | 720   | 6600  | 800   | 800   | 1920  | 6600  | 5500  | 6600        |
| Off-state leakage current [mA]   | $\leq 1,5$  |   |   |   |   |   |   |   |             |
| Min. current [mA]  | 20  |   |   |   |   |   |   |   |             |
| On-state voltage at rated current [V]:   | 1,0   | 1,2   | 1,1   | 1,2   | 1,2   | 1,2   | 1,1   | 1,1   | 1,2         |
| Off-state voltage $dV/dt$ [V/ $\mu\text{s}$ ]:   | 500   | 500   | 500   | 500   | 500   | 1000  | 1000  | 1000  | 1000        |
| Rate of rise of current $di/dt$ [A/ $\mu\text{s}$ ]:   | 100   | 150   | 150   | 100   | 150   | 150   | 150   | 150   | 150         |

\*) At variant /1\_\_ : High  $I^2t$  value

## Solid-state relays - Determine the heat sink

The heat generated by the load current must be dissipated by a suitable heat sink. It is imperative that the junction temperature of the semiconductor is maintained for all potential environmental temperatures of under 125°C. For this reason, it is important to keep the thermal resistance between the base plate of the solid-state relay and the heat sink to a minimum.

To protect the solid-state relay effectively from excess heating, a thermally conducting paste or a graphite gasket (see Accessories) should be applied before installation to the base plate of the heat sink between semiconductor relay and heat sink.

From the table, select a suitable heat sink with the next lowest thermal resistance. Thus, it is ensured that the maximum junction temperature of 125°C is not exceeded. The load current in relation to the environmental temperature can be seen from the table.

| a)               |                          |     |     |     |     |     | d)               |   |     |     |     |     |     |
|------------------|--------------------------|-----|-----|-----|-----|-----|------------------|---|-----|-----|-----|-----|-----|
| Load current (A) | PK 9260 15 A             |     |     |     |     |     | Load current (A) | PK 9260 50 A / 50 A Hi I <sup>2</sup> t |     |     |     |     |     |
|                  | Thermal resistance (K/W) |     |     |     |     |     |                  | Thermal resistance (K/W)                |     |     |     |     |     |
| 15.0             | 6.8                      | 6.0 | 5.3 | 4.6 | 4.0 | 3.0 | 50               | 0.8                                     | 0.7 | 0.6 | 0.4 | 0.3 | 0.2 |
| 13.5             | 7.7                      | 6.9 | 6.0 | 5.3 | 4.5 | 3.5 | 45               | 1.0                                     | 0.9 | 0.8 | 0.6 | 0.5 | 0.3 |
| 12.0             | 8.5                      | 8.0 | 7.0 | 6.0 | 5.3 | 4.4 | 40               | 1.3                                     | 1.2 | 1.0 | 0.8 | 0.6 | 0.5 |
| 10.5             | -                        | 9.0 | 8.0 | 7.0 | 6.0 | 5.0 | 35               | 1.7                                     | 1.5 | 1.3 | 1.1 | 0.9 | 0.7 |
| 9.0              | -                        | -   | 9.0 | 8.0 | 7.0 | 6.0 | 30               | 2.2                                     | 2.0 | 1.7 | 1.4 | 1.2 | 0.9 |
| 7.5              | -                        | -   | -   | 9.0 | 8.5 | 7.0 | 25               | 3.0                                     | 2.6 | 2.3 | 2.0 | 1.7 | 1.3 |
| 6.0              | -                        | -   | -   | -   | -   | 8.0 | 20               | 4.0                                     | 3.7 | 3.3 | 2.8 | 2.4 | 1.9 |
| 4.5              | -                        | -   | -   | -   | -   | -   | 15               | 6.0                                     | 5.5 | 4.9 | 4.2 | 3.6 | 3.0 |
| 3.0              | -                        | -   | -   | -   | -   | -   | 10               | 10.0                                    | 9.0 | 8.0 | 7.0 | 6.0 | 5.0 |
| 1.5              | -                        | -   | -   | -   | -   | -   | 5                | -                                       | -   | -   | -   | -   | -   |
|                  | 20                       | 30  | 40  | 50  | 60  | 70  |                  | 20                                      | 30  | 40  | 50  | 60  | 70  |
|                  | Ambient temperature (°C) |     |     |     |     |     |                  | Ambient temperature (°C)                |     |     |     |     |     |

| b)               |  |     |      |      |     |     | e)               |                          |     |     |     |     |     |
|------------------|--|-----|------|------|-----|-----|------------------|--------------------------|-----|-----|-----|-----|-----|
| Load current (A) | PK 9260 25 A / 25A HI I <sup>2</sup> t |     |      |      |     |     | Load current (A) | PK 9260 72 A             |     |     |     |     |     |
|                  | Thermal resistance (K/W)               |     |      |      |     |     |                  | Thermal resistance (K/W) |     |     |     |     |     |
| 25.0             | 3.0                                    | 2.7 | 2.3  | 1.9  | 1.5 | 1.0 | 72.0             | 0.7                      | 0.6 | 0.5 | 0.4 | 0.3 | -   |
| 22.5             | 3.5                                    | 3.0 | 2.7  | 2.3  | 1.9 | 1.4 | 64.8             | 0.9                      | 0.8 | 0.7 | 0.5 | 0.4 | 0.3 |
| 20.0             | 4.0                                    | 3.8 | 3.3  | 2.8  | 2.3 | 1.8 | 57.6             | 1.1                      | 1.0 | 0.8 | 0.7 | 0.5 | 0.4 |
| 17.5             | 5.0                                    | 4.5 | 4.0  | 3.4  | 2.8 | 2.2 | 50.4             | 1.5                      | 1.3 | 1.1 | 0.9 | 0.7 | 0.4 |
| 15.0             | 6.0                                    | 5.5 | 4.9  | 4.2  | 3.5 | 2.9 | 43.2             | 1.9                      | 1.6 | 1.4 | 1.2 | 1.0 | 0.7 |
| 12.5             | 7.9                                    | 7.0 | 6.3  | 5.0  | 4.5 | 3.7 | 36.0             | 2.4                      | 2.2 | 1.9 | 1.6 | 1.3 | 1.1 |
| 10.              | 10.0                                   | 9.0 | 8.0  | 7.0  | 6.0 | 5.0 | 28.8             | 3.3                      | 3.0 | 2.6 | 2.2 | 1.9 | 1.5 |
| 7.5              | -                                      | -   | 11.5 | 10.0 | 8.5 | 7.0 | 21.6             | 4.8                      | 4.3 | 3.8 | 3.3 | 2.8 | 2.3 |
| 5.0              | -                                      | -   | -    | -    | -   | -   | 14.4             | 7.8                      | 7.0 | 6.2 | 5.5 | 4.7 | 3.9 |
| 2.5              | -                                      | -   | -    | -    | -   | -   | 7.2              | -                        | -   | -   | -   | -   | 8.6 |
|                  | 20                                     | 30  | 40   | 50   | 60  | 70  |                  | 20                       | 30  | 40  | 50  | 60  | 70  |
|                  | Ambient temperature (°C)               |     |      |      |     |     |                  | Ambient temperature (°C) |     |     |     |     |     |

| c)               |                          |     |     |     |     |     | f)               |                          |     |     |     |     |     |
|------------------|--------------------------|-----|-----|-----|-----|-----|------------------|--------------------------|-----|-----|-----|-----|-----|
| Load current (A) | PK 9260 35 A             |     |     |     |     |     | Load current (A) | PK 9260 88 A             |     |     |     |     |     |
|                  | Thermal resistance (K/W) |     |     |     |     |     |                  | Thermal resistance (K/W) |     |     |     |     |     |
| 35.0             | 1.6                      | 1.4 | 1.2 | 0.9 | 0.7 | 0.4 | 88.0             | 0.6                      | 0.5 | 0.4 | 0.3 | -   | -   |
| 31.5             | 2.0                      | 1.7 | 1.4 | 1.2 | 0.9 | 0.6 | 79.2             | 0.7                      | 0.6 | 0.5 | 0.4 | 0.3 | -   |
| 28.0             | 2.4                      | 2.1 | 1.8 | 1.5 | 1.2 | 0.9 | 70.4             | 0.9                      | 0.8 | 0.7 | 0.6 | 0.4 | 0.3 |
| 24.5             | 3.0                      | 2.6 | 2.3 | 1.9 | 1.5 | 1.2 | 61.6             | 1.2                      | 1.0 | 0.9 | 0.7 | 0.6 | 0.4 |
| 21.0             | 3.8                      | 3.3 | 2.9 | 2.5 | 2.0 | 1.6 | 52.8             | 1.5                      | 1.3 | 1.1 | 1.0 | 0.8 | 0.6 |
| 17.5             | 4.9                      | 4.4 | 3.8 | 3.3 | 2.7 | 2.0 | 44.0             | 2.0                      | 1.8 | 1.5 | 1.3 | 1.1 | 0.9 |
| 14.0             | 6.6                      | 5.9 | 5.0 | 4.5 | 3.8 | 3.0 | 35.2             | 2.7                      | 2.4 | 2.1 | 1.8 | 1.5 | 1.2 |
| 10.5             | 9.5                      | 8.5 | 7.5 | 6.5 | 5.5 | 4.6 | 26.4             | 3.9                      | 3.5 | 3.1 | 2.7 | 2.3 | 1.9 |
| 7.0              | -                        | -   | -   | -   | -   | 7.6 | 17.6             | 6.3                      | 5.7 | 5.0 | 4.4 | 3.8 | 3.1 |
| 3.5              | -                        | -   | -   | -   | -   | -   | 8.8              | -                        | -   | -   | 9.7 | 8.3 | 7.0 |
|                  | 20                       | 30  | 40  | 50  | 60  | 70  |                  | 20                       | 30  | 40  | 50  | 60  | 70  |
|                  | Ambient temperature (°C) |     |     |     |     |     |                  | Ambient temperature (°C) |     |     |     |     |     |

## Solid-state contactor

### Solid-state with optimised heat sink

We recommend the following combination of solid-state relay and heat-sink depending on the load current and an ambient temperature of 40° C.

If the solid-state relays are used at ambient temperature above 40°C the load current has to be reduced according to the current reduction (A/°C see table).

#### Example:

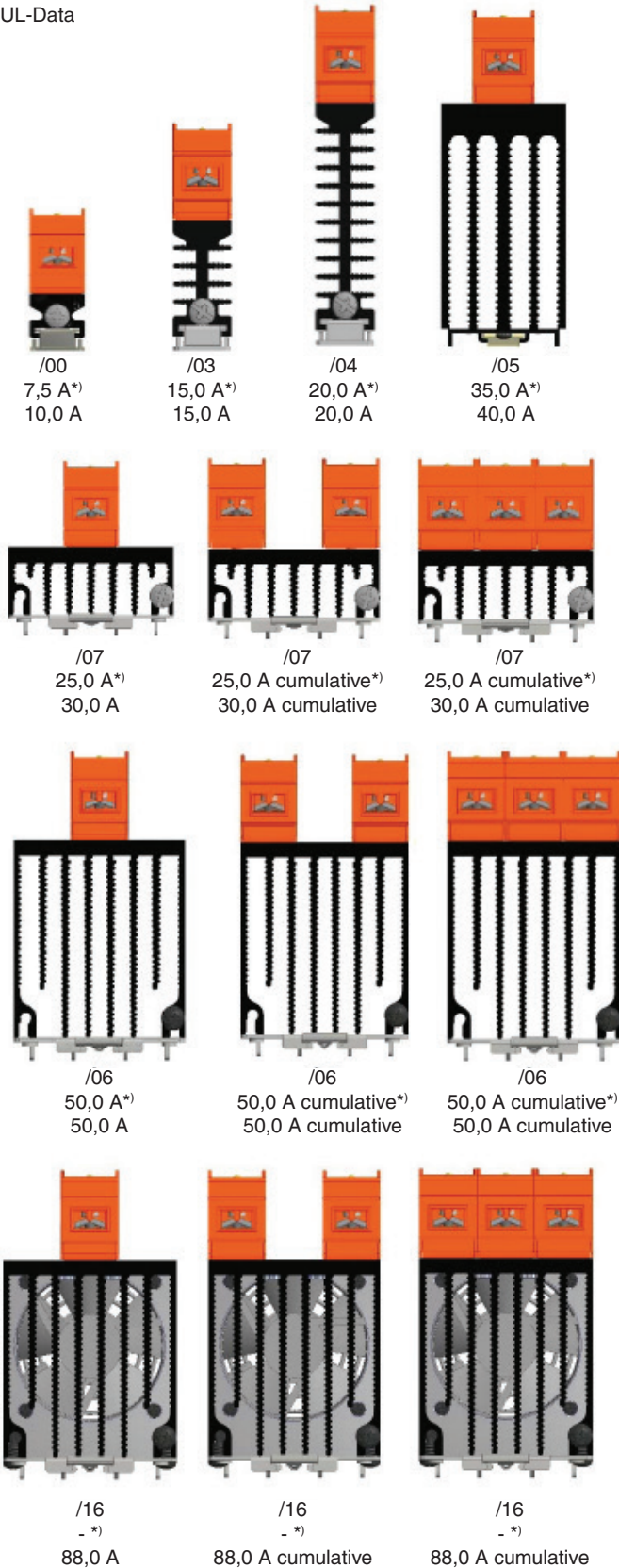
Operation at  $T_U = 45^\circ\text{C}$ ; heat sink for 15 A with 0.3 A / °C

Current reduction:  $5^\circ\text{C} \times 0.3 \text{ A} / ^\circ\text{C} = 1.5 \text{ A}$

Max. load current:  $15 \text{ A} - 1.5 \text{ A} = 13.5 \text{ A}$

### Factory mounted heat sink

\*) UL-Data



## General Technical Data

**For variant /16:** Operating voltage fan DC 24 V  
**Operating mode:** Continuous operation  
 (Current reduction above 40 °C)

### Temperature range

Operation: - 25 ... 60° C  
 Storage: - 25 ... 85° C  
 Relative air humidity: < 95 % non-condensing at 40 °C

### Clearance and creepage distances

Rated impulse voltage / pollution degree: 6 kV / 3 IEC/EN 60664-1  
**EMC:** IEC/EN 61 000-6-4, IEC/EN 61000-4-1  
 Electrostatic discharge (ESD): 8 kV air / 6 kV contact IEC/EN 61000-4-2  
 HF irradiation: 10 V / m IEC/EN 61000-4-3  
 Fast transients: 2 kV IEC/EN 61000-4-4  
 Surge voltages  
 Control circuit between A1 / A2: 1 kV IEC/EN 61000-4-5  
 Between output and ground: 2 kV IEC/EN 61000-4-5  
 HF-wire guided 10 V IEC/EN 61000-4-6  
 Interference suppression: Limit value class A IEC/EN 60947-4-3  
**Degree of protection:** IP 20 IEC/EN 60529  
**Vibration resistance:** Amplitude 0.35 mm  
 Frequency 10 ... 55 Hz, IEC/EN 60068-2-6

### Housing material:

PBT/PC flame resistant; UL 94 V0

### Base plate:

Aluminum, copper nickel-plated

### Mounting screws:

M4 x 20 mm

### Mounting torque:

2.5 Nm

### Connections load circuit / \_\_ 0:

Mounting screws M4 Pozidrive 1 PT  
 Mounting torque: 2.5 Nm  
 Wire cross section: 2 x 1.5 ... 2.5 mm<sup>2</sup> solid or  
 2 x 2.5 ... 6 mm<sup>2</sup> solid oder  
 2 x 1.0 ... 2.5 mm<sup>2</sup> stranded wire with sleeve  
 2 x 2.5 ... 6 mm<sup>2</sup> stranded wire with sleeve  
 1 x 10 mm<sup>2</sup> stranded wire with sleeve

### Connections load circuit / \_\_ 1:

Mounting screws M5  
 Mounting torque: 2.5 Nm  
 Cable lug (DIN 46234): 5 - 2.5; 5 - 6; 5 - 10; 5 - 16; 5 - 25

### Connections control circuit:

Mounting screws M3 Pozidrive 2 PT  
 Mounting torque: 0.6 Nm  
 Wire cross section: 1 x 0.5 ... 2.5 mm<sup>2</sup> solid or  
 2 x 0.5 ... 1.0 mm<sup>2</sup> solid or  
 1 x 0.5 ... 2.5 mm<sup>2</sup> stranded wire with sleeve  
**Connections control circuit:** Cage clamp terminals  
 Wire cross section: 0.2 ... 2.5 mm<sup>2</sup> solid or  
 0.25 ... 2.5 mm<sup>2</sup> stranded wire with sleeve

### Nominal insulation voltage

Control circuit – load circuit: 4 kV<sub>eff.</sub>  
 Load circuit – base plate: 4 kV<sub>eff.</sub>  
 Overvoltage category: III

### Weight

Without heat sink: Approx. 80 g  
 With heat sink  
 Load current  
 10 A /00 Approx. 150 g  
 15 A /03 Approx. 225 g  
 20 A /04 Approx. 305 g  
 30 A /07 Approx. 475 g  
 40 A /05 Approx. 575 g  
 50 A /06 Approx. 785 g  
 88 A /16 Approx. 895 g

## Dimensions

### Width x height x depth

#### Without heat sink

With screw terminals: 22.5 x 85 x 50 mm  
 With cable lug terminals: 22.5 x 139 x 50 mm

#### With heat sink

Load current  
 10 A /00 22.5 x 99 x 68.4 mm  
 15 A /03 22.5 x 99 x 92.0 mm  
 20 A /04 22.5 x 99 x 131.0 mm  
 30 A /07 67.5 x 136 x 77.4 mm  
 40 A /05 45.0 x 105 x 135.0 mm  
 50 A /06 67.5 x 136 x 127.0 mm  
 88 A /16 67.5 x 161.6 x 127.0 mm

## UL-Data acc. to UL508

### Input

**Wire connection:**  
 Control circuit: 60°C / 75°C copper conductors only  
 AWG 26 - 14 Sol/Str

### Load circuit:

75°C copper conductors only  
 AWG 14 - 8 Sol /Str  
 2.5 Nm

### Note:

Control input AC 100 ... 240 V:  
 In the user circuit a surge arrester L/C SPD (VZCA/7) or R/C SPD (VZCA2/8) with min. 240V AC, 50/60Hz, VPR=2500V, type 1 or 2 or 3 with a discharge current of not less then 2000 A has to be installed.

### More remarks for UL-Listed devices:

For the use in applications with pollution class 2



Technical data that is not stated in the UL-Data, can be found in the technical data section.

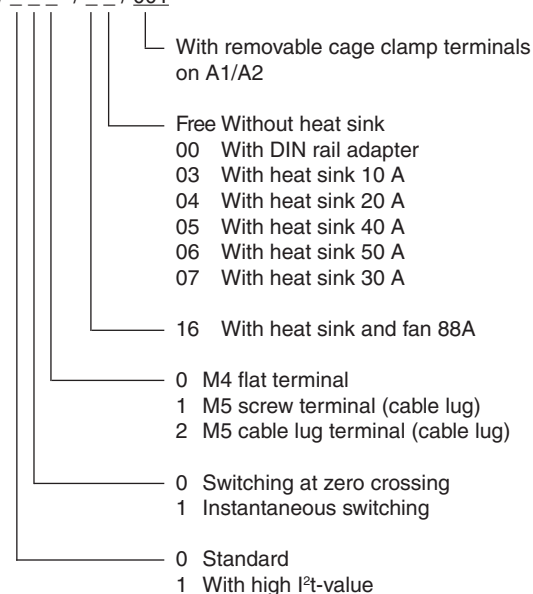
## Standard Type

PK 9260.91 AC 48 ... 480 V 25 A DC 4 ... 32 V

Article number: 0064884  
 • Load voltage: AC 48 ... 480 V  
 • Load current: 25 A  
 • Control voltage: DC 4 ... 32 V  
 • Width: 22.5 mm

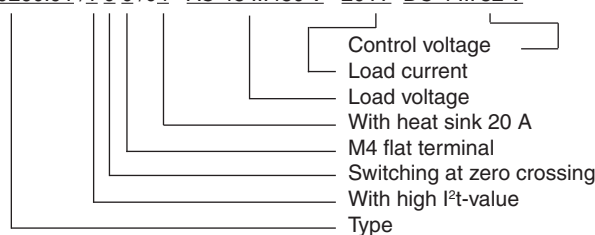
## Variants

PK 9260 .91 / \_ \_ / \_ \_ / 001

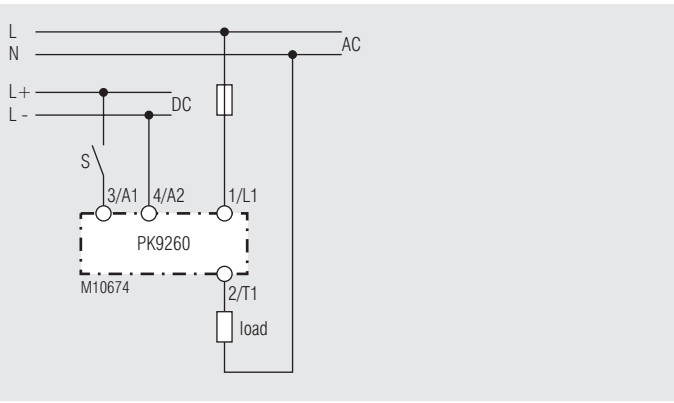


## Ordering Examples for Variants

PK 9260.91 / 1 0 0 / 04 AC 48 ... 480 V 20 A DC 4 ... 32 V



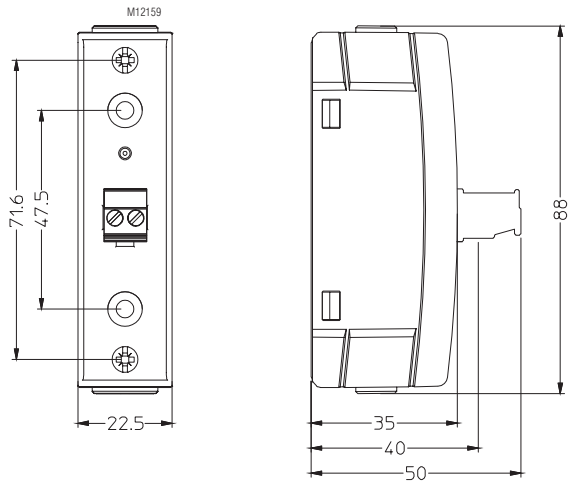
## Connection Example



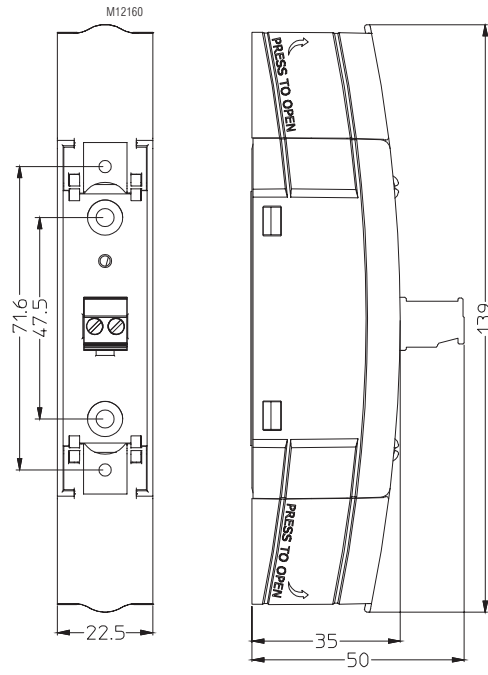
Single-phase

## Dimensions

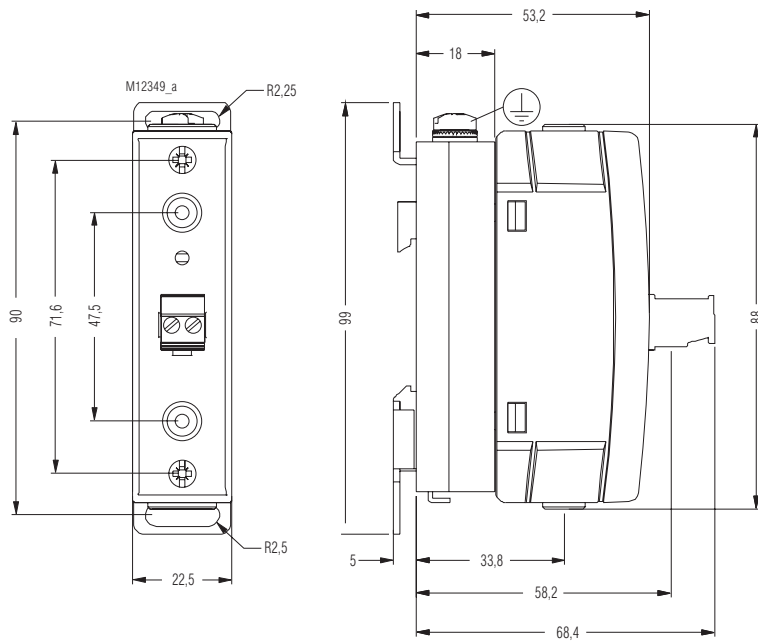
Flat terminals  
PK 9260.91/\_ \_0



Screw terminals / cable lug terminals  
PK 9260.91/\_ \_1



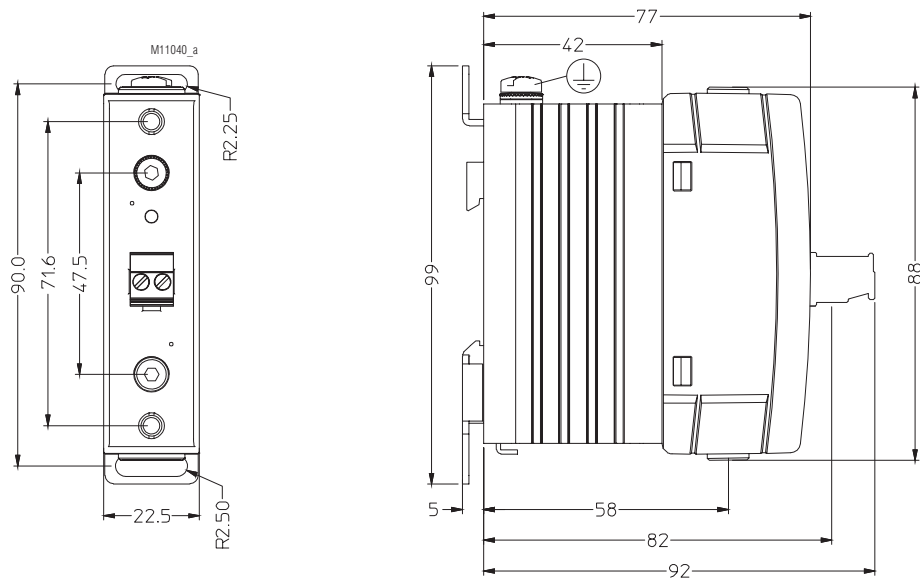
With DIN-rail adapter  
PK 9260.91/\_ \_0/00



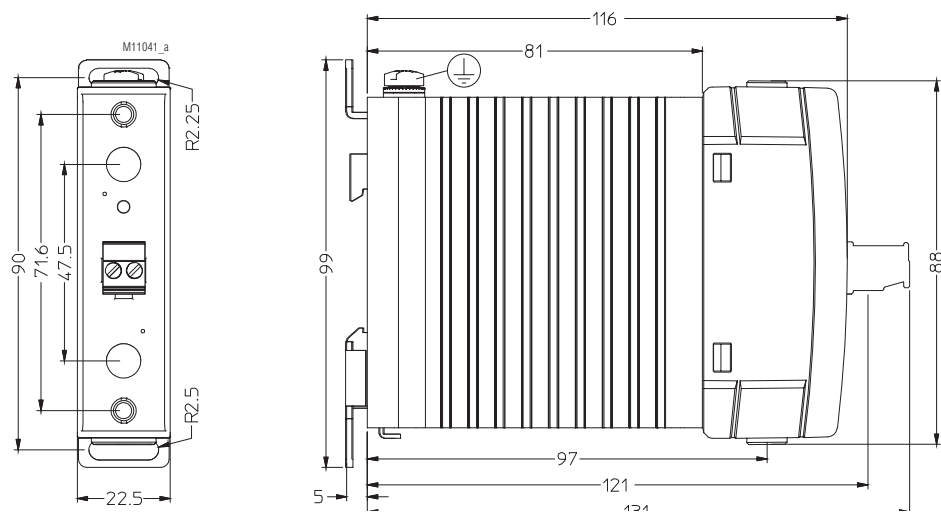


## Dimensions

PK 9260.91/\_ \_0 /03

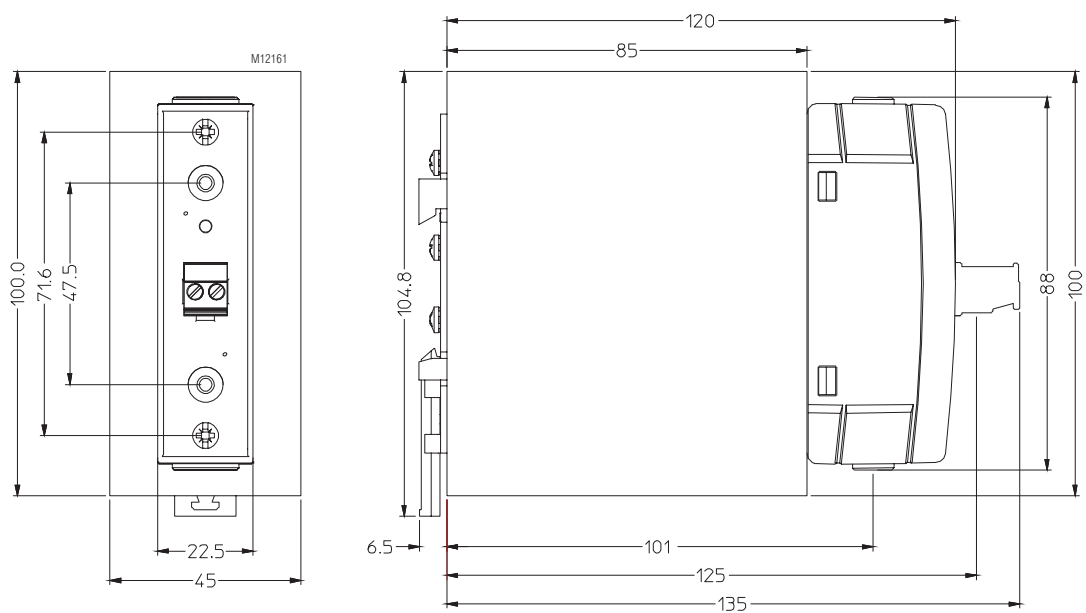


PK 9260.91/\_ \_0 /04

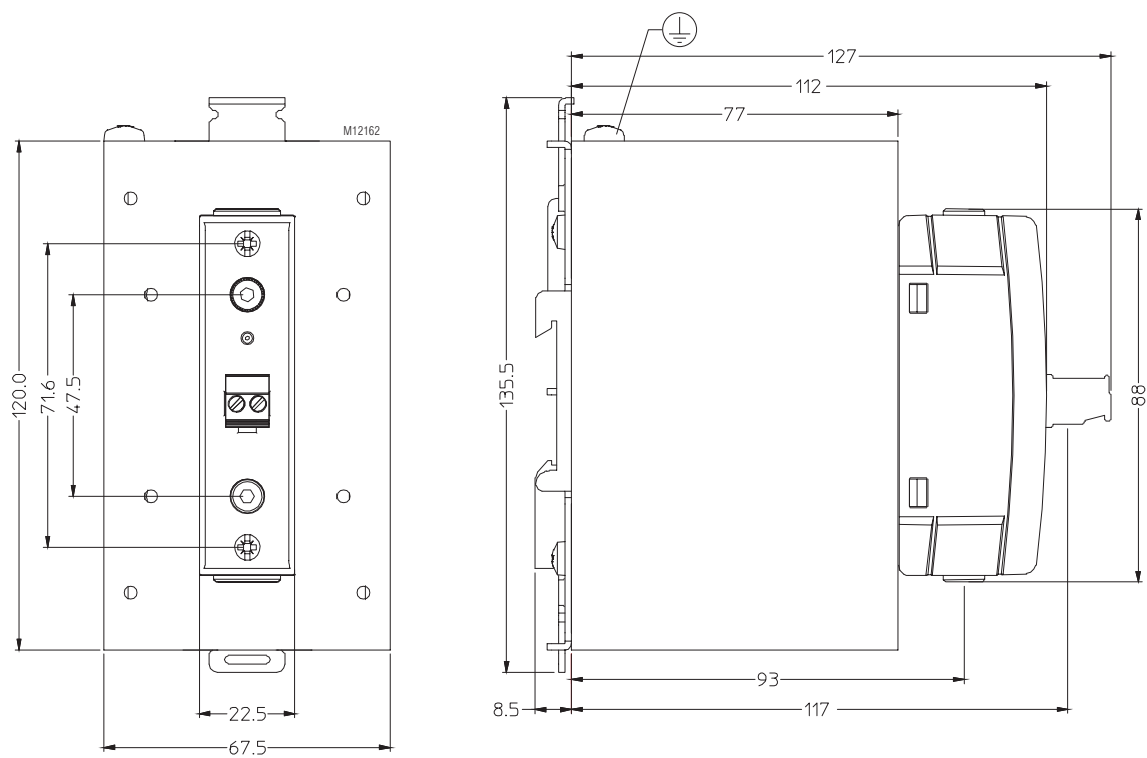


## Dimensions

PK 9260.91/\_ \_0 /05

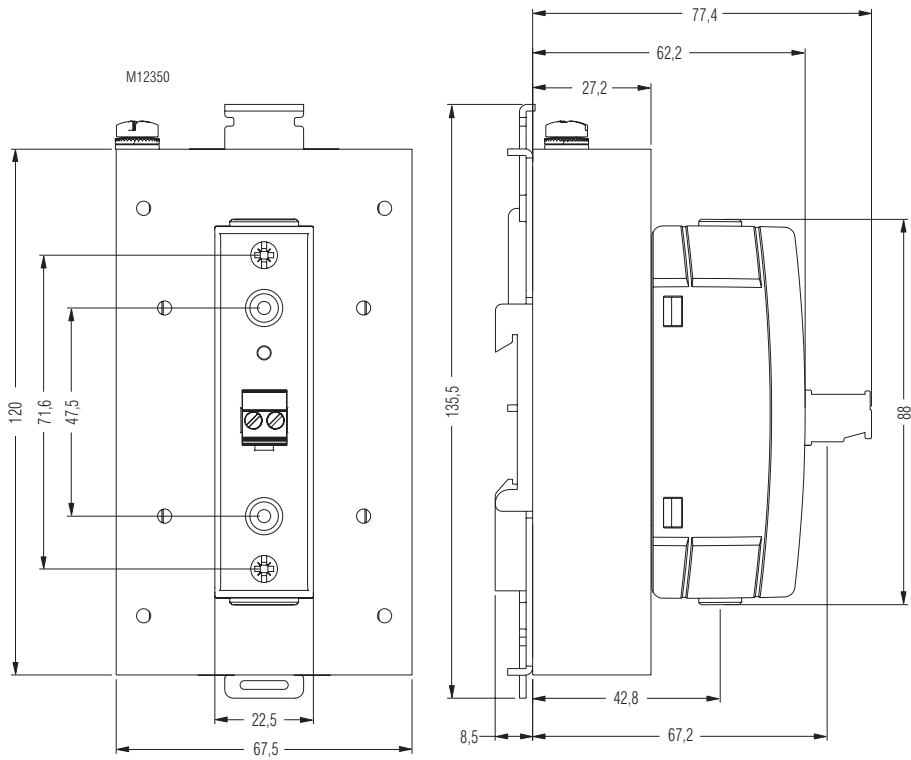


PK 9260.91/\_ \_0 /06



## Dimensions

PK 9260.91/\_ \_0 /07



PK 9260.91/\_ \_0 /16

