

**OV-24 DC/60 DC/3**

Description	Type	Order No.	Pcs. Pkt.
<b>Solid-state relay</b> , for signal amplification and isolation of the control and load circuits, pluggable in the solder-in socket SIM-AMS or with p.c.b. connection for mounting directly onto the p.c.b. input/output: DC voltage	<b>OV-24 DC/60 DC/3</b>	<b>29 04 02 3</b>	25

**Technical data****Input data**

Operating voltage range	3–32 V DC
Interrupting voltage	1 V DC
Input resistance	1000 Ohm

**Output data**

Operating voltage range	3–60 V DC
Max. continuous load current <sup>1)</sup>	3 A
Surge current	5 A (t = 1 s)
Voltage drop at max. load current	1.5 V
Collector – emitter reverse voltage	60 V DC
Leakage current in off condition	10 µA
Max. phase shift (inductive load)	2)
Output circuit <sup>3)</sup>	polarity protection diode

**General data**

Insulation voltage input/output	4 kV <sub>rms</sub>
Ambient temperature range	– 30 ° C to + 80 ° C
Insulation resistance	50 x 10 <sup>9</sup> Ohm
Switching time t <sub>in</sub> /t <sub>out</sub>	100 µs/750 µs
Transmission frequency f <sub>limit</sub> (ohmic load)	600 Hz

**Notes:**

<sup>1)</sup> See load current diagram!

Curve is also valid for inductive loads up to cos. φ = 0.5

<sup>2)</sup> For the protection of input and output circuits, inductive loads must be dampened with an effective protective circuit

<sup>3)</sup> Switch-on time:

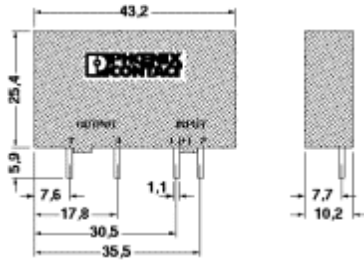
max. one half cycle (zero voltage)

Switch-off time:

max. one half cycle (zero current)

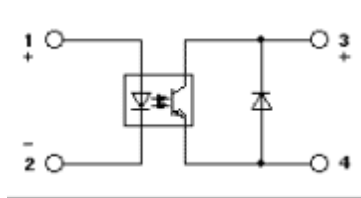
<sup>4)</sup> Not suitable for reversing circuits with synchronous motors (special components available on request)

**Dimensional drawing**



**Block diagram**

Hole diameter 1.3



**Diagram**

