

# Solid State Relay

Type:SP0406D

Order No.:1060032



- Single phase DC switching solid state relay
- Rated operational current:4A<sub>dc</sub>
- Rated operational voltage:60V<sub>dc</sub>
- Control voltage:3-32V<sub>dc</sub>
- Flexible encapsulation for extended life



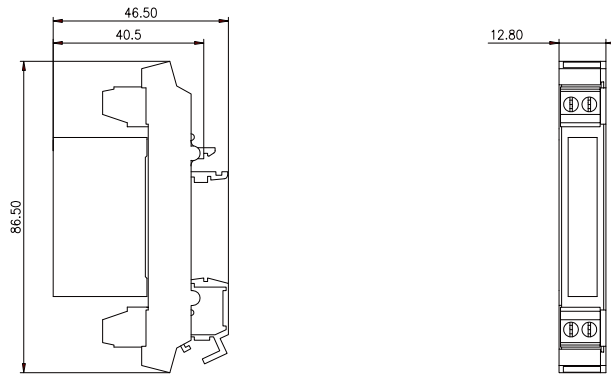
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## Dimensions(mm)



## Inputs Specifications

Control voltage	3-32V <sub>dc</sub>
Pick-up voltage	2.8V <sub>dc</sub>
Drop-out voltage	1.2V <sub>dc</sub>
Max. input current	18mA
Max. reverse voltage	40V <sub>dc</sub>
Response time pick-up	< 10ms
Response time drop-out	< 10ms

## Outputs Specifications

Rated operational current@Ta=40°C	4A <sub>dc</sub> (DC1,DC5,DC13)
Min. operational load current	1mA <sub>dc</sub>
Rep. overload current t=1s	60A <sub>dc</sub>
Off-state leakage current @ rated voltage	<0.01mA <sub>dc</sub>
On-state voltage drop @ rated current	< 1.0V <sub>dc</sub>
Rated operational voltage range	1-60V <sub>dc</sub>
Blocking voltage	60V <sub>dc</sub>

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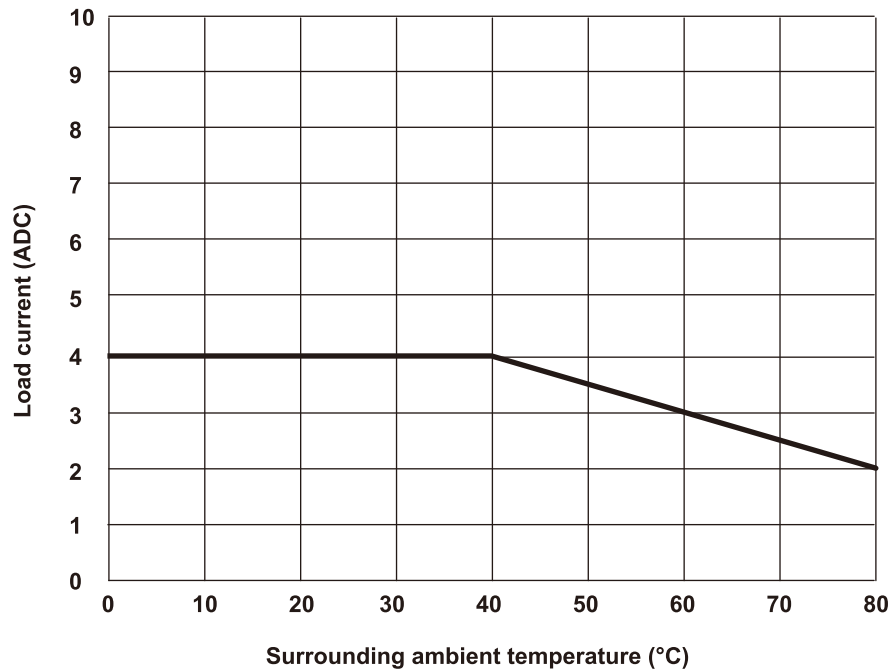
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## General Specifications

Operating temperature	-20°C - +80°C
Storage temperature	-40°C - +100°C
Material	ABS+PC,PA66
Potting compound	Flame-retardant flexible silicone rubber
Isolation: input to output	4 kVac RMS
Approvals	CE

## Derating Curve



## Wiring Diagrams

