

Features

- High switching speed
- Low control power
- RC filter protection for AC models
- 2500 V input-output insulation
- Zero-crossing switching
- VDE and CE certification

RS PRO Solid State Relays

Stock No: 0677059



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Solid state relays are electronic switching device. These devices don't have any moving parts. A solid state relay switches power (AC or DC) to the load circuits and provides electrical insulation between the control and the load.

It is important to remember that solid state relays have a high switching frequency that allows a very high degree of accuracy. Moreover, solid state relay has a long service life 300 times longer than an electromechanical relay.

This product **600901** is one phase until 5A in AC.

General Specifications

Model Number	0677059
Output current	5 A (3 A Ta=40°C)
Load voltage range	12 – 275 VAC
Operating Temperature	-20°C..... +80°C
Storage Temperature	-40°C..... +100°C
Surge Protection	YES
Relative humidity	95% non-condensing
Insulation	YES
Mounting	PCB or with interface

Mechanical Specifications

Width	33.1 mm (25.1 mm without pin)
Length	43.1 mm
Depth	10.7 mm

Electrical Specifications

Maximum block voltage	275 VAC
Output voltage drop	< 1.5 VAC
Minimum working current	60 mA
Control current range	4 ÷ 32 mA
Nominal control current	24.5 mA ±10% Vin=24 VDC
Control pick-up voltage	3 VDC
Control drop-out voltage	< 2.5 VDC
Turn on time	≤ 10 ms
Turn off time	≤ 10 ms
Isolation voltage AC, 1min	2.5 kV

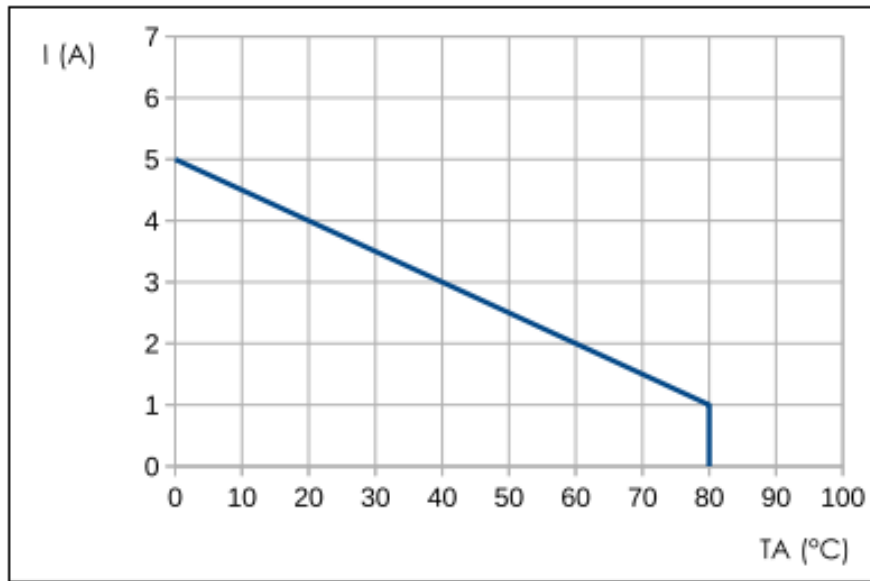
Protection Category

IP rating	20
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Approvals

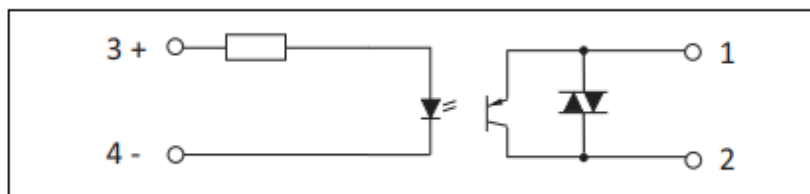
Compliance/Certifications	CE/UKCA, cURus
Hazardous Area Certification	ROHS-3

Derating Curves and Connections



- Stand alone installed SSR
- Side by side installed SSRs

I (A) = Current
TA (°C) = Environment temperature



Simplified circuit diagram 5 A, 240 VAC version