

Features

- Pin to Pin compatible with electromechanical relays
- Led input voltage
- Non polarized input
- 2500 V input-output insulation
- Zero crossing commutation for models with AC voltage output or instantaneous for DC voltage output models
- RC filter protection for AC models

RS PRO Solid State Relays

Stock No: 0677062



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 **600904** is one phase until 3A in AC.

General Specifications

Model Number	0677062
Output current	3 A
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	15.7 mm
Length	29 mm
Depth	12.7 mm

Electrical Specifications

Maximum block voltage	275 VAC
Output voltage drop	1.1 mVAC
Minimum working current	10 mA
Control current range	4.4 ÷ 17.3 mA ±10% (with Led) 2.8 ÷ 10.9 mA ±10% (without Led)
Nominal control current	6.5 mA ±10% Vin=24 VDC
Control pick-up voltage	10 VDC
Control drop-out voltage	< 10 VDC
Turn on time	≤ 10 ms
Turn off time	≤ 10 ms
Isolation voltage AC, 1min	2.5 kV

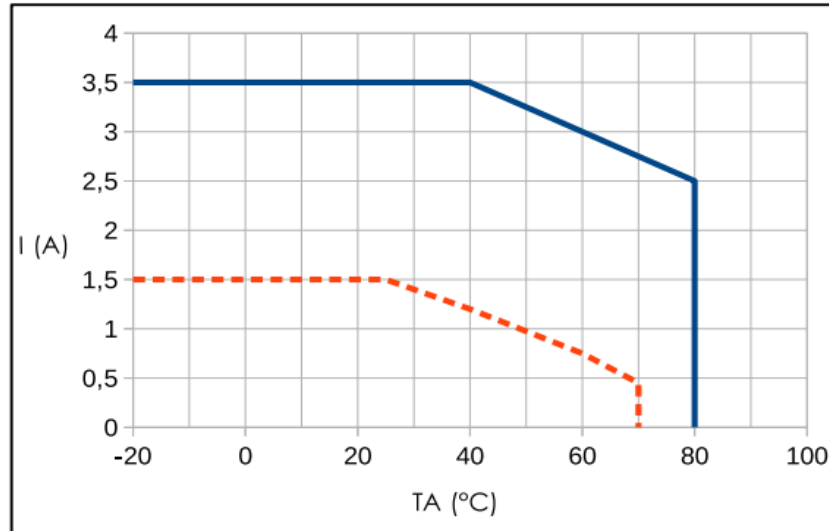
Protection Category

IP rating	20
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Approvals

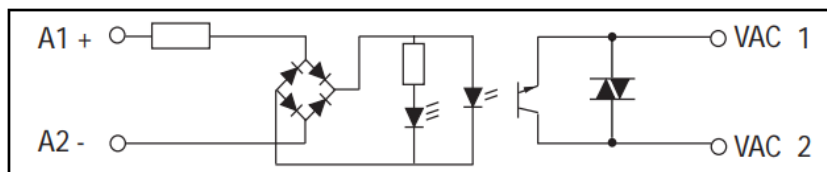
Compliance/Certifications	CE/UKCA, cURus
Hazardous Area Certification	ROHS-3
Standards Met	???

Derating Curves and Connections



----- Stand alone installed SSR
 - - - - - Side by side installed SSRs

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



Simplified circuit diagram 3 A, 24 VDC version with Triac Output