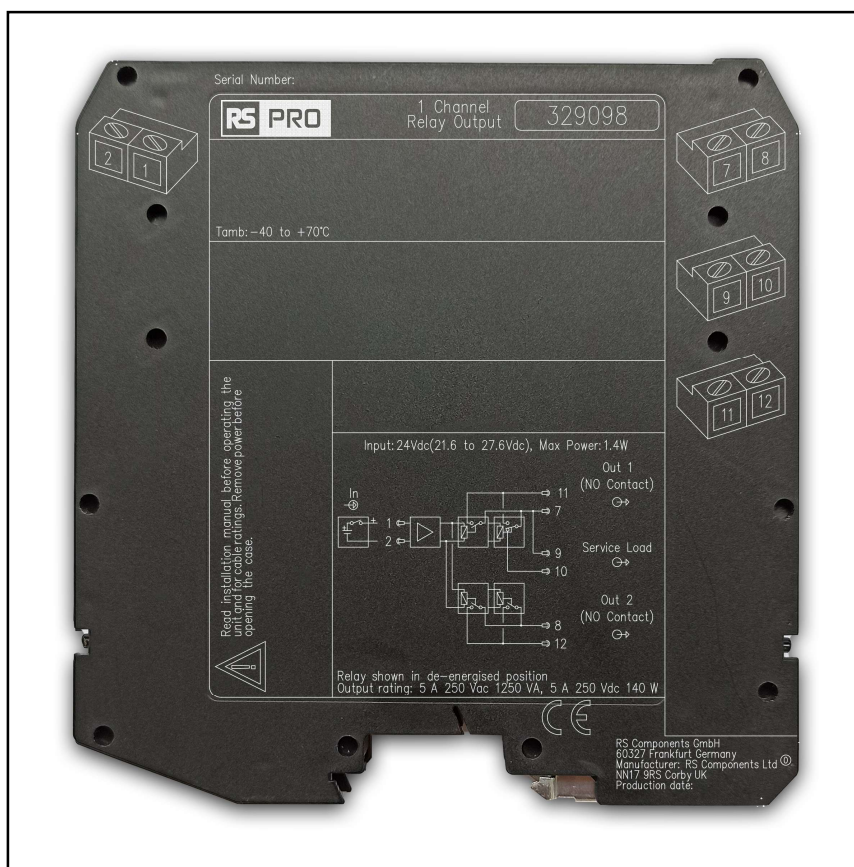


## Features

- SIL 3 / SC 3 for NE/ND loads
- Up to 5 A functional / 6 A inrush current
- Load disconnection on both supply lines available
- High process availability
- Compatible with DCS/PLC pulse testing
- Input/Output isolation

## 1CH SIL3 Relay Out Module for 5A NE/ND Loads

RS Stock No.: 329098



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## Product Description

*This module is a relay suitable for switching safety related circuits, up to SIL 3 level, for high-risk industries. It provides isolation between input and output contacts. It makes available 2+2 NO relay contacts connected in parallel and then in series to avoid spurious trip and to increase process availability. High process availability SIL 3 Safety Function for both Normally Energized (NE) and Normally De-energized (ND) / F&G loads is available. Load can be isolated from supply on both polarities. A wide compatibility towards different DCS/PLC is guaranteed: driving pulse testing is permitted by a dedicated internal circuit, which prevents contact and LED flickering.*

## General Specifications

<b>Input</b>	24 Vdc nom (21.6 to 27.6 Vdc), reverse polarity protected. Relay coils are internally protected with suppressor diodes
<b>Input current consumption</b>	45 mA @ 24 Vdc, typical
<b>Output</b>	Voltage free 2+2 SPST relay contact (2 paralleled contacts in series) at terminals 7-11 and 8-12, close when relay energized, open in de-energized condition
<b>Contact material</b>	Ag Alloy (Cd free), gold plated
<b>Contact rating</b>	5 A 250 Vac 1250 VA, 5 A 250 Vdc 140 W (resistive load)
<b>Contact min. switching current</b>	1 mA
<b>Contact inrush current</b>	6 A @ 24 Vdc, 250 Vac
<b>DC/AC load breaking capacity</b>	Refer to Instruction Manual
<b>Mechanical / electrical life</b>	5 * 10 <sup>6</sup> / 3 * 10 <sup>4</sup> operation, typical
<b>Operate / release time</b>	30 ms / 30 ms, typical

## Mechanical Specifications

<b>Weight</b>	about 125 g
<b>Connection</b>	by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm <sup>2</sup> (13 AWG)
<b>Dimensions</b>	Width 12.5 mm, Depth 123 mm, Height 120 mm
<b>Mounting</b>	DIN-Rail 35 mm

## Electrical Specifications

<b>Isolation</b>	Output/Input 2.5 kV
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## Operation Environment Specifications

<b>Operating temperature</b>	temperature limits -40 to +70 °C
<b>Storage temperature</b>	temperature limits -45 to +80 °C

## Approvals

<b>Declarations</b>	EU Declaration of Conformity
<b>Functional Safety</b>	SIL Manufacturer Declaration

