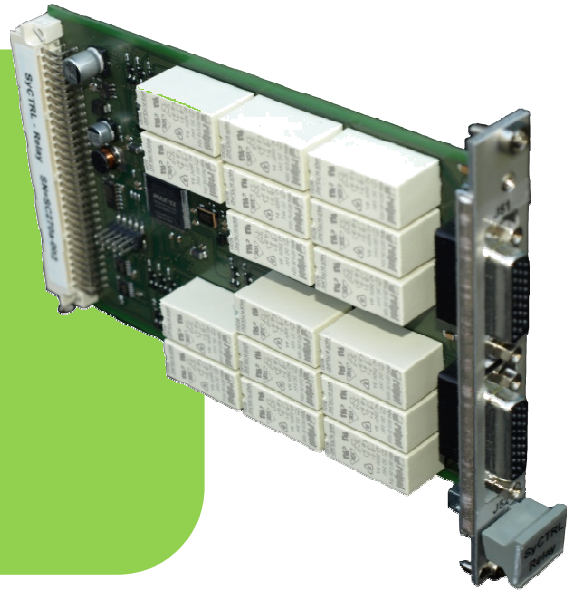


# SyCTRL Relay Output

## SyCTRL Relay board

- 16 NO/NC relay contacts
- Read back contact for each relay
- Breaking capacity up to 5A DC per relay



## Overview

The Relay board is a 16-channel isolated relay output board, each line being fitted with 1 normally opened, 1 normally closed contacts and 1 read back contact.

The Relay board is mounted in any rear slot of any Chassis.

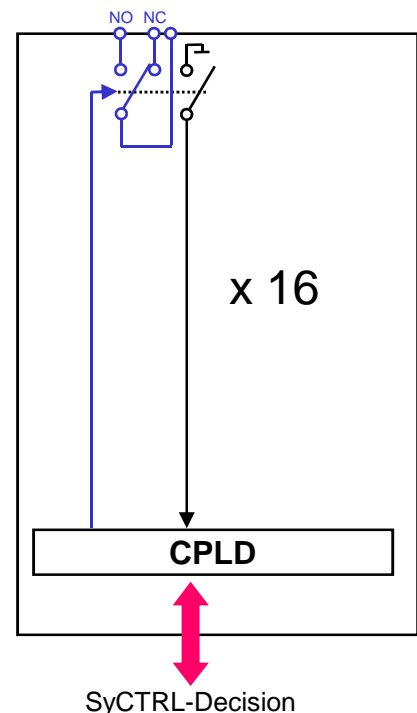
It is designed to be managed by a standard Decision board and can be mixed with any SyCTRL rear mounted slave board (analog / digital IO, LCL, RS485, HPC, ...).

## Downtime optimization

The Relay board embeds its own parameters, minimizing its downtime to the board replacement in case of failure.

## Integrated Built-In self test

The Relay board embeds its own built-in self test which gives a clear status of the relay health.

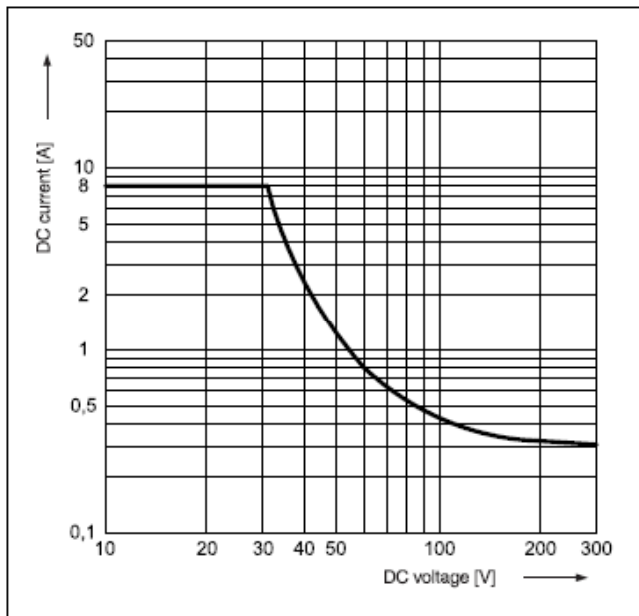


# SyCTRL Relay Output

## Electrical characteristics

Number of relays	16
Contact arrangement	NO / NC
Contact material	AgNi
Maximum current	5 A (AC1, DC1)
Minimum switching current	5 mA
Contact resistance	< 100 mΩ
Maximum voltage	100 Vdc
Operating time	7 ms
Switching rate	5Hz loaded
Expected life time	> 3x10 <sup>7</sup> operations

The table below gives the maximum DC resistive load breaking capacity:



## Power characteristics

Power consumption	12 W
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## Environmental

### Operating environment

Temperature	10 to 40 °C
Humidity	40 to 90% noncondensing
Pressure	800 to 1050 mbar

### Storage environment

Temperature	-10°C to 60 °C
Humidity	up to 90% noncondensing
Pressure	800 to 1050 mbar

## Mechanical

### Size

sc270	3HU x 4HP x 220mm (*)
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### Weight

sc270	380 g
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### Connector

sc270	1x D-Sub 50 female
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(\*) 1 HU = 44.45 mm, 1 HP = 5.08 mm

