

## REDUNDANT MODULE 40 A DIMENSION SERIES

24-56 V DC, 2x20 A

YR40.482

Redundancy Module 2 x 24-56V dc 20A I/P 24-56V dc 40A O/P

- For N+1 and 1+1 Redundant Systems
- MOSFET transistors
- Minimum power loss



### PRODUCT DESCRIPTION

The YR40.482 is a redundancy module, which can be used to build 1+1 and N+1 redundant systems. It is equipped with two input channels, which can be connected to power supplies with up to 20A output current and one output, which can carry nominal currents up to 40A.

The novelty of this redundancy module is the utilization of mosfets instead of diodes for the decoupling of the two input channels. This reduces the heat generation and the voltage drop between input and output. The redundancy module does not require an additional auxiliary voltage.

Due to the low power losses, the unit is very slender and only requires 46mm width on the DIN-rail. Large connection terminals allow for a safe and fast installation. The large international approval package makes this unit suitable for nearly every application.

### SPECIFICATIONS

<b>Input voltage DC</b>	24-56 V
<b>Input voltage dc min</b>	20,4 V DC
<b>Input voltage dc max</b>	64,4 V DC
<b>Input current per channel max</b>	20 A
<b>Input current at continuous overload or short circuit max</b>	2x32,5 A
<b>Type Power Supply</b>	Redundancy modules
<b>Output voltage</b>	48 V DC
<b>Output Current</b>	40 A
<b>Output current max</b>	45 A

Temperature Range Without Derating From	-40 °C
Temperature Range Without Derating To	70 °C
Life span	222000 h @ 2x 20 A, 48 V DC, 40 °C
MTBF (IEC 61709)	4098000 h @ 2x 20 A, 48 V DC, 40 °C
Width	46 mm
Height	124 mm
Depth	127 mm
Weight	0,36 kg
Series	Dimension Y
Approvals	ABS, ATEX, CB, CE, CSA, CSA US, GL, IECEX, UL
Material Protection	Aluminium
IP Class	IP20
Voltage Drop Over The Semi-Conductor	120 mV

