



REDUNDANCY MODULE

- Dual input, single output
- Alarm relay-contacts for each input path
- Rugged metal housing
- Width only 32mm
- Cost effective solution to build redundant systems
- 24-60V Wide-range input
- 20A Continuous output current
- Easy wiring;
Distribution terminals for negative pole included
- Large screw terminals
- 3 Year warranty

1. GENERAL DESCRIPTION

The YRM2.DIODE is a redundancy module, which can be used for various purposes. The most popular application is to configure a highly reliable and true redundant power supply systems. This redundancy module has a monitoring circuitry included. Two LEDs and two relay contacts signal when one of the two DC-input voltages is not in range due to a non-functioning or disconnected power supply.

Another interesting application is the separation of sensitive loads from non-sensitive loads. This avoids the distortion of the power quality for the sensitive loads which can cause controller failures.

Alongside with the YRM2.DIODE, there exists the decoupling module YR2.DIODE which has no monitoring circuitry included. This is the perfect fit when the power supply itself is already equipped with a DC-OK signal (e.g.: DIMENSION Q-Series).

2. SHORT-FORM DATA

Input voltage	DC 24V	
Input voltage range	24-60Vdc	
Input current	2x 12.5A	1+1 Redundancy
	2x 10A	N+1 Redundancy
	1x 20A	Single use
Output current	max. 20A	Normal mode
	max. 25A	Overload / short-circuit
Input to output voltage drop	typ. 0.85V	At 20A output current
Alarm threshold	typ. 21.5V	LED and relay contact for each input
Power losses	1 W	At no load
	18W	At 20A output current
Temperature range	-25°C to +70°C	Operational
Derating	0.5A/°C	+60 to +70°C
Dimensions	32x124x117mm	WxHxD

3. ORDER NUMBERS

Redundancy Module	YRM2.DIODE	Dual input / single output
Accessory	ZM1.WALL	Wall / panel mount bracket
	ZM11.SIDE	Side mount bracket

4. MARKINGS



Marine, pending