



DECOUPLING MODULE

- Dual input, single output
- Two diodes (common cathode)
- Rugged metal housing
- Width only 32mm
- Cost effective solution to build redundant systems
- 10-60V Wide-range input
- 20A Continuous output current
- Easy wiring; Distribution terminals for negative pole included
- Quick-connect spring-clamp terminals
- 3 Year warranty

1. GENERAL DESCRIPTION

The YR2.DIODE is a decoupling module, which can be used for various purposes. The most popular application is to configure a highly reliable and true redundant power supply systems.

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.

The YR2.DIODE is the perfect solution to use in a redundant system, if the power supply itself is equipped with a DC-OK signal (e.g.: DIMENSION Q-Series).

Alongside with the YR2.DIODE, there exists the YRM2.DIODE which has a monitoring circuitry included. LEDs and relay contacts signal when one of the two DC-input voltages is not in range due to a non-functioning power supply.

Unique quick-connect spring-clamp terminals allow a safe and fast installation and a large international approval package for a variety of applications makes this unit suitable for nearly every situation.

2. SHORT-FORM DATA

Input voltage	DC 24V	
Input voltage range	10-60Vdc	
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
Power losses	0 W	At no load
	17W	At 20A output current
Temperature range	-25°C to +70°C	Operational
Derating	0.5A/°C	+60 to +70°C
Dimensions	32x124x102mm	WxHxD

3. ORDER NUMBERS

Decoupling Module	YR2.DIODE	Dual input / single output
Accessory	ZM1.WALL	Wall / panel mount bracket
	ZM11.SIDE	Side mount bracket

4. MARKINGS

