Redundancy Module for continue voltage

KMR-DC-series : 12Vdc/48Vdc/72Vdc/110Vdc/ 127Vdc

Features:

2 Input :

-24/48/72/110V or 127VDC

-Current max : 10A continu (15A peack)

-2 Relay MOS Watchdog
for input voltage control (Closed if power is present)

-DIN RAIL

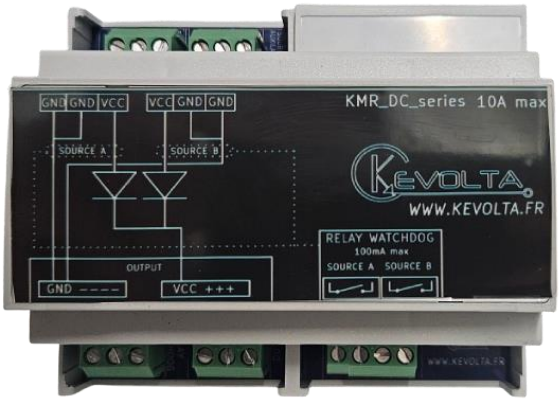
-Version COMMON CATHODE

Description :

Our system allows for the parallel connection of two or three power supplies, guaranteeing maximum availability and enhanced security for your installations.
Thanks to seamless redundancy, you ensure continuous service under all circumstances.

Furthermore, it offers the possibility of changing a power supply without interruption, simplifying maintenance and eliminating the risk of downtime.
Increase reliability, protect your operations, and ensure business continuity.

Contact us for a personalized assessment.

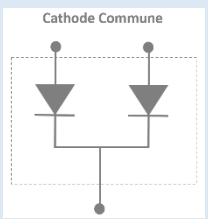


The redundancy module provides effective protection against power supply failures.

Thanks to intelligent decoupling of two power sources, the failure of one has no impact on the output: the other automatically takes over, ensuring uninterrupted service continuity.

Furthermore, the module continuously monitors both power supplies and triggers an alarm signal via a contact in the event of a loss of redundancy.

Synoptic:



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Design :

Our redundancy module integrates seamlessly into your installations thanks to its robust, reliable, and field-oriented design:

- DIN rail mounting for easy integration (EN50022)
- 2.5 mm² fixed terminal block connectors
- Gray PVC housing
- IP20 protection rating

Maximum protection and longevity

Version Option	
KMR_DC_12	Version AC 12VDC 10A
KMR_DC_24	Version AC 24VDC 10A
KMR_DC_48	Version AC 48VDC 10A
KMR_DC_72	Version AC 72VDC 10A
KMR_DC_110	Version AC 110VDC 10A
KMR_DC_127	Version AC 127VDC 10A

For safety reasons, observe the following requirements:

- Mount the unit in a protective enclosure that complies with current electrical safety regulations.
- Use cables with an adequate cross-section to connect the inputs and outputs.
- Protect the primary winding with a recommended fuse.
- Ensure the redundancy module is positioned correctly to allow for proper airflow and optimal ventilation.

Technical specifications:

KMR_AC_series	
Tension	12Vdc/ 24VDc / 48Vdc / 72Vdc / 110Vdc/127Vdc
Current Version DC	10A with peack 15A for 5sec
Typical output voltage	INPUT VOLTAGE -0.5V
Overcurrent	3x In nominal during 3S
Relay Watchdog	MOSFET relay monitoring input voltage presence. Closed if power supply OK.

Environnement	
Weight	~0.200 gr
Size	110mm(width) x90x 66mm height
MTBF (+25°C)	1 200 000 H
Lifetime	>200 000H 30°C
Temperature storage	-40° à +85°C
Humidity (non-condensing)	~85%

Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE Immunity standard for industrial environments EN 61000-6-2	
ESD	EN61000-4-2
Radiated Susceptibility	EN61000-4-3
EFT/Burest	EN61000-4-4
Surge	EN61000-4-5
Conducted	EN61000-4-6
Magnetic Field	EN61000-4-8
Voltage Dips and interruptions	EN61000-4-11
EMC EMISSION	EN55011 Group1 Class A

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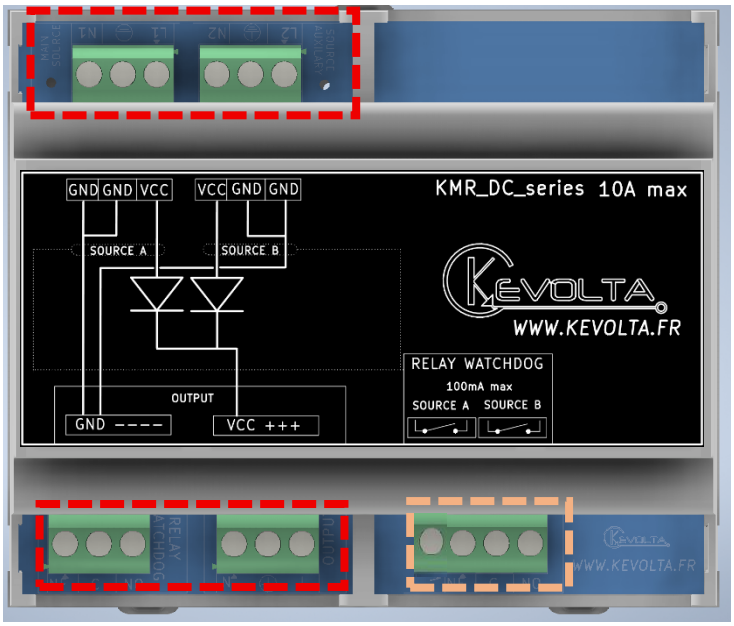
Connections :



Input termibal block	
PIN 1	GND Source A
PIN 2	GND Source A
PIN 3	VCC Source A
PIN 4	VCC Source B
PIN 5	GND Source B
PIN 6	GND Source B

Relay Watchdog Source A & B	
PIN 1	CONTACT SOURCE A
PIN 2	CONTACT SOURCE A
PIN 3	CONTACT SOURCE B
PIN 4	CONTACT SOURCE B

Output terminal Block 1	
PIN 1	GND
PIN 2	GND
PIN 3	GND

Output terminal Block 2	
PIN 1	VCC
PIN 2	VCC
PIN 3	VCC

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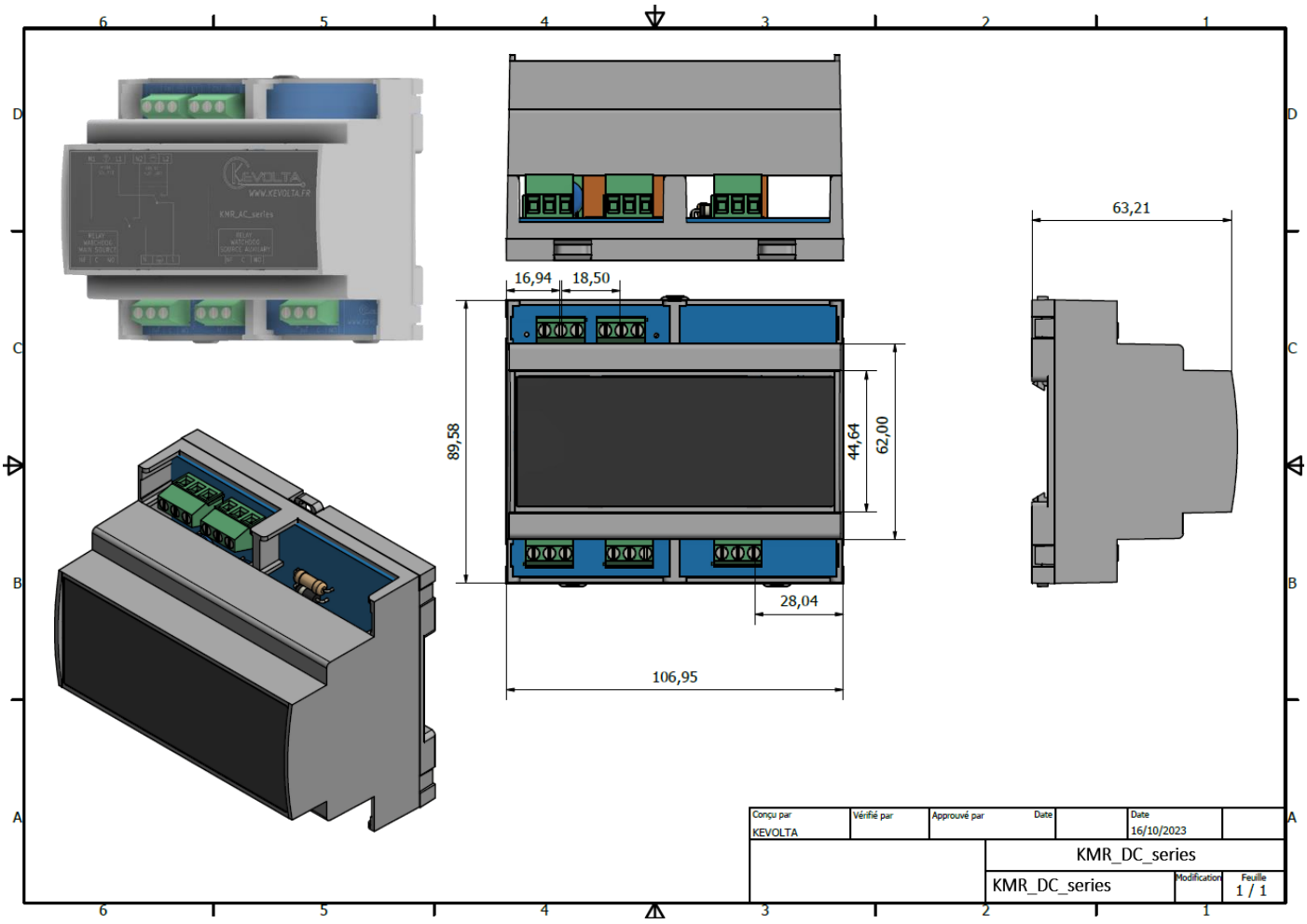
Size :



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