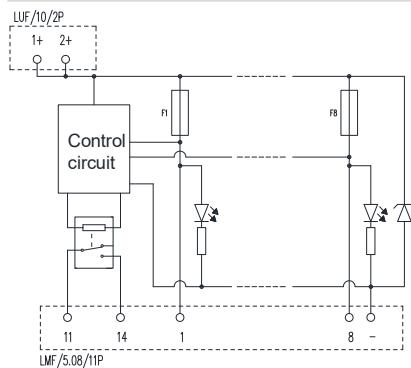
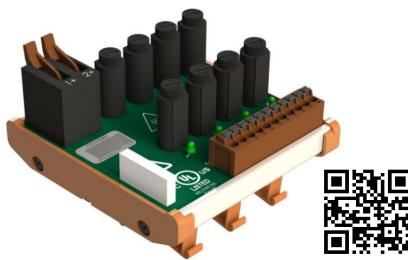


RSV VERT - Current distributor module

Schematic



Assembly



Current distributor interface with 8 channels, fuse status indicator, and alarm contact. Protection by 5x20mm fuse-links.
Monitoring of each fuse status.
• Visual: Normal operation of the fuse (Green) / Broken fuse (Red).
• Remote: If all fuses in normal operation 11-14 continuity. If one of the fuses fail 11-14 open circuit.
- Fuse-links are not delivered with the product.

Ordering data

Type	Order No.
RS VERT 8P 24VDC Z UL V1	2727410000

Technical data

Rated data

Operating voltage	$24 \pm 25\%$ Vdc
Max. current per channel	9.5 A *See derating diagram
Max. total current	76.5 A
Relay contact power (min. / max.)	1 V @ 1 mA / 30 V @ 150 mA, Resistive

Environmental conditions

Operating ambient temperature	-25...+60 °C(4)
Storage ambient temperature	-25...+60 °C
Max. operating humidity	85% non-condensing

Insulation coordination (IEC/UL61010-1 and IEC/UL61010-2-201)

Rated insulation voltage	50 Vac / 70 Vdc
Surge voltage category	II
Pollution severity level	2
Insulation test voltage (1min)	0.86 kVac / 1.22 kVdc

General information

Dimensions (Length x Width x Height)	102 x 108,2 x 78,2 mm
DIN rail (vertical / horizontal)	TS32, TS35
IPC-A-610 Class (PCBA)	Class 2 – Dedicated Service Electronic Products

Input Connector:

1988600000 - LUF 10.00/02/90 5.0SN BK BX [tampoprinted]

Clamping range (min / max) 0.5 mm2 - AWG20 / 16 mm2 - AWG6

Cable stripping length 18 - 21 mm: depending on the selected ferrule

Output Connector:

1331260000 - LMF 5.08/11/180 3.5SN OR BX [tampoprinted]

Clamping range (min / max) 0.12 mm2 - AWG 24 / 2,5 mm2 - AWG 12

Cable stripping length 10 - 12 mm: depending on the selected ferrule

Fuse-links to be used (acc. UL) (3)



- SIBA 179021.4: 250 Vac / 4 A - Fast acting miniature fuse-link 5x20mm	2780640000
- SIBA 179021.5: 250 Vac / 5 A - Fast acting miniature fuse-link 5x20mm	2780730000
- SIBA 179021.6.3: 250 Vac / 6,3 A - Fast acting miniature fuse-link 5x20mm	2780740000
- SIBA 179021.8: 250 Vac / 8 A - Fast acting miniature fuse-link 5x20mm	2780750000
- SIBA 179021.10: 250 Vac / 10 A - Fast acting miniature fuse-link 5x20mm	2780760000

CAUTION: In case of a fuse-link replacement, the following procedure applies:

- Identify the broken fuse signalized by the red light
- Switch off the power supply of the module
- Dismount the fuse-holder cap by means of a screwdriver
- Remove the broken fuse inside
- Insert a replacement fuse of the correct ratings
- Close the fuse-holder cap again by means of a screwdriver
- Reconnect the power supply of the module
- Ensure that the identified green light has turned on

*If where the module is operating inside an Extra Low Voltage application, a qualified operator (acc. to point 3.222 of IEC61010-2-201) can skip steps 2 and 7 considering that in this case there is no safety risk. Furthermore the failure which has blown the fuse-link has to be eliminated otherwise the lifecycle of the module may be impaired and Weidmüller in no way accepts responsibility for quality issues due to that point.

Approvals of the fuse-links: IEC/EN 60127-2/1, VDE 0820-2/1, UL File No.E167295

Standard approvals

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use. Part 1: General Requirements	IEC/UL61010-1, CSA-C22.2 NO. 61010-1-12
Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use. Part 2-201: Particular Requirements for Control Equipment	IEC/UL61010-2-201, CSA C22.2 NO. 61010-2-201:18

Telcordia GR-63-CORE

Seismic Zone 4

RoHS 2011/65/EU

EN 50581

EMC immunity requirements for industrial applications

IEC 61326-1

Immunity to conducted disturbances, induced by radio-frequency fields

DIN EN 61000-4-6

Surge immunity test

DIN EN 61000-4-5(2)

Electrical fast transient/burst immunity test

DIN EN 61000-4-4

Electrostatic discharge immunity test

DIN EN 61000-4-2

Notes:

- This product is intended to be used in fixed installations inside an enclosure or electrical cabinet with a protection degree IP54 minimum.
- In case of using a power supply with earth connection, the cable length of the output channels must be limited up to 30 meters.
- If the equipment is used without non-specified fuse-links or in a manner not specified (ex:switch on/off during operation), the protection provided by the equipment may be impaired.
- When fuse-links with different current ratings are used in the same module, the lowest specified ambient temperature applies.
- The safety of any system incorporating the equipment is in the responsibility of the assembler of the system.