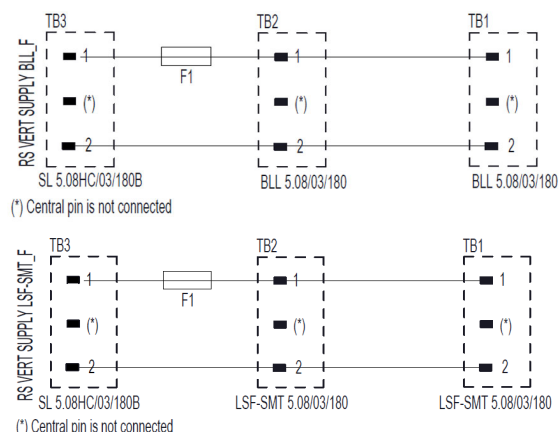


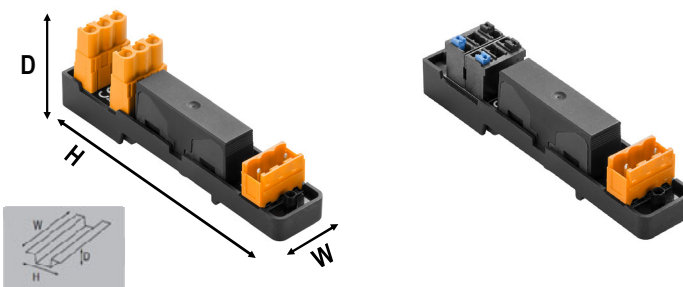
Schematic



Product description / Assembly

RS VERT SUPPLY BLL_F-6A

RS VERT SUPPLY LSF-SMT_F-6A



Fuse modules used in power distribution for Smart Meter applications: gateway devices, counters...

- Rail mounted on DIN Rail TS35
- Fuse cartridge 6,3x32mm with fuse SIBA 6,3A / 500V / 50kA (cURus approved)
- Connector Distr.: 1 x Input pin header SL and 2 x Output female connectors BLL
- Terminal Distr.: 1 x Input pin header SL and 2 x Output terminals LSF-SMT
- In all terminals or connectors the middle pin is not assembled.
- Cable connectors not included - pls. find accessories on catalog.weidmueller.com

Ordering data

Type	Order No.
Connector Distribution: RS VERT SUPPLY BLL_F-6A	8000118953
Terminal Distribution: RS VERT SUPPLY LSF-SMT_F-6A	8000118954

Technical data

Rated data	
Max. operating voltage	250 Vac
Max. current per channel	6,3A according fuse type SIBA 189020.6,3: 500V / 6,3A - Fuse-link 6,3x32mm
Rated breaking capacity I_{bL}	25 kA
Environmental conditions	
Operating ambient temperature	-40...+70 °C
Max. operating humidity	85% non-condensing
Storage ambient temperature	-40...+70 °C
Insulation coordination (EN 60664-1)	
Rated insulation voltage	250 Vac
Surge voltage category	III
Pollution severity level	2
Impulse test voltage (1,2/50µs) U_{L-L}	4 kV
General information	
BLL_F module dimensions (Height x Width x Depth)	93,7 mm x 17,9 mm x 30 mm (mounted on DIN rail without cable connectors)
LSF-SMT_F module dimensions (Height x Width x Depth)	93,7 mm x 17,9 mm x 23,7 mm (mounted on DIN rail without cable connectors)
Mounting method	DIN Rail TS35
IPC-A-610 Class (PCBA)	Class 2 — Dedicated Service Electronic Products
IP module rating / Protection degree	IP30 , when fully mounted
Input Connector (SL):	2728020000 - SL 5.08HC/03/180B 3.2SN OR BX TB [no central pin]
Output Connector (BLL):	2626490000 - BLL 5.08/03/180 3.2 SN OR BX TB [no central pin]
Output Connector (LSF-SMT):	2766140000 / 2766140000 - LSF-SMT 5.08/03/180 1.5SN BK TU SO [no central pin]
Clamping range IEC / AWG (min - max)	0,13 mm2 - AWG 28 / 1,5 mm2 - AWG 14 with ferrule and plastic collar
Cable stripping length	10 - 12 mm: depending on the selected ferrule and plastic collar
Product remarks ⁽¹⁾	



Connectors without breaking capacity:
Not designed to be pulled or plugged when live or under load.

Standard approvals

Insulation coordination for equipment within low-voltage systems	EN 60664-1:2007
Degrees of protection provided by enclosures (IP)	EN 60529:1991
Connectors - Safety requirements and tests	EN 61984:2008
Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units	IEC 60947-3:2020
Restriction of the use of certain hazardous substances (RoHS) RoHS 2011/65/EU - CE Certification	EN 63000:2018

Notes:

- 1) If the equipment is used outside the specified ranges, without non-specified fuse-links or in a manner not specified (ex: switch on/off during operation), the characteristics of the product may be limited.
- 2) The safety of any system incorporating the equipment is in the responsibility of the assembler of the system.
- 3) At the end of the product service life make sure to fulfil all the relevant disposal regulations applicable for the installation location.