Surge Prot M H Surge Protection Module

Product reference	
Part No.	5100421-00A
Manufacturer	Consilium / Salwico
Model	Surge Prot M H



Product overview

Surge protection module with BBI power inputs, BBE RS485 terminals and protected Control/Repeater outputs.

Key features

- Outputs are not supervised.
- Use only where electrical isolation between devices is not required.
- Configure BBE and BBI terminators independently per the original switch tables.
- Full manufacturer SKU 5100421-00A is documented in the historical 2016 M source and is separate from 5100421-02A.
- Current lifecycle and approval status are unconfirmed.

Installation & compatibility

- Retain all three original pages for indicators, wiring and mounting.

Technical specifications

Manufacturer Article Number	5100421-00A	Output supervision / isolation restriction	Protected outputs are NOT supervised. Use only where electrical isolation between devices is not required
Operating voltage range	19-30 VDC	RS485 termination	Built-in 120 Ω terminators. S101 controls BBE; S102 controls BBI; see original tables and Installation Manual for application examples
Max. supply current – PSU1 IN & PSU2 IN	8 A + 8 A	S101 / BBE switches	Pole 1: BBE-1; pole 2: BBE-2. Each pole ON activates its terminator; OFF deactivates
Max. load current – PSU1 OUT & PSU2 OUT	0.7 A + 0.7 A	S102 / BBI switches	Pole 1: BBI-1; pole 2: BBI-2. Each pole ON activates its terminator; OFF deactivates
Quiescent current consumption (at 24V)	42 mA	Power connectors	PSU1: 11 IN 8A+, 12 OUT 0.7A+, 13 minus. PSU2: 21 IN 8A+, 22 OUT 0.7A+, 23 minus
Cable terminals	2.5 mm²	Data / bus connectors	31 D+/32 D-: BBE-1; 41 D+/42 D-: BBE-2; 33 plus: BBU; 43: ground. Retain original p2 connection figure
Operating temperature range	-5°C to +55°C	PSU input indicators	Green: OK. Yellow: F101 (PSU1) or F102 (PSU2) blown. No light: corresponding input supply absent
Weight (with housing)	115g ±5%	PSU output indicators	Green: OK. Yellow: corresponding output fault/overload. No light: respective PSU1 IN/F101 or PSU2 IN/F102 supply/fuse fault, as listed in this 2016 M source
Spare part no. (without housing)	5100420-00A	BBE communication indicators	BBE-1 and BBE-2 Tx/Rx: green OK; no light means no communication
Fuse F101/F102	10A Fast-Acting	Dimensions	99 mm height ×114 mm depth; 24 mm overall width with 18 mm front width and 7 mm mounting subdimension
Manufacturer-listed systems	Salwico Cargo, Salwico Cruise, Salwico Ro/Pax, Salwico Workboat, Salwico Yacht, CFD5000 (2016 C M document)	Mounting / required instructions	Horizontal 35 mm DIN rail. Refer to system Installation Manual for assembly, common terms and RS485 termination examples
Functions	Surge-protected BBI power inputs; BBE RS485 Repeater terminal board; electronic short-circuit-protected Control/Repeater outputs. Functions can be used together or individually		