

General Specifications

FO-529-03

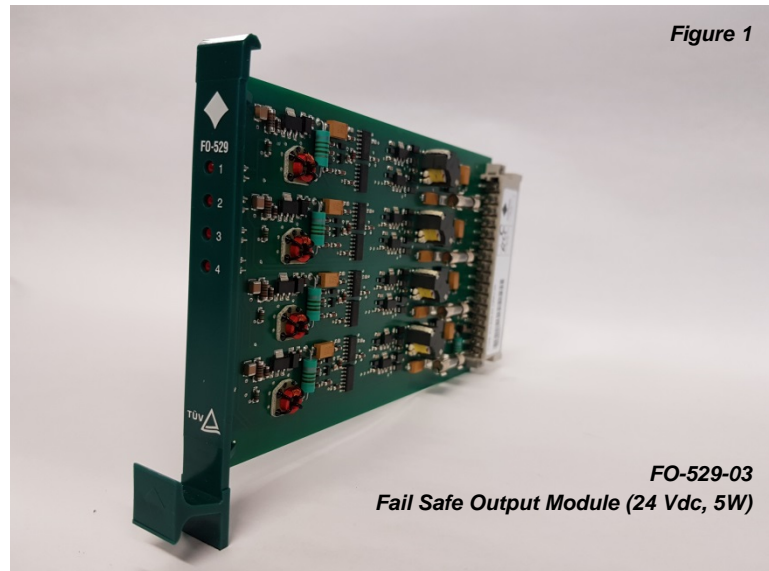
ProSafe-SLS™

GS48C29Z03-00E-N

Fail Safe Output Module (24 Vdc, 5W)

■ GENERAL

The module converts 4 logic output channels into 24 Vdc outputs.



Each channel converts pulse logic signals to a fail-safe galvanically isolated 24 Vdc output.

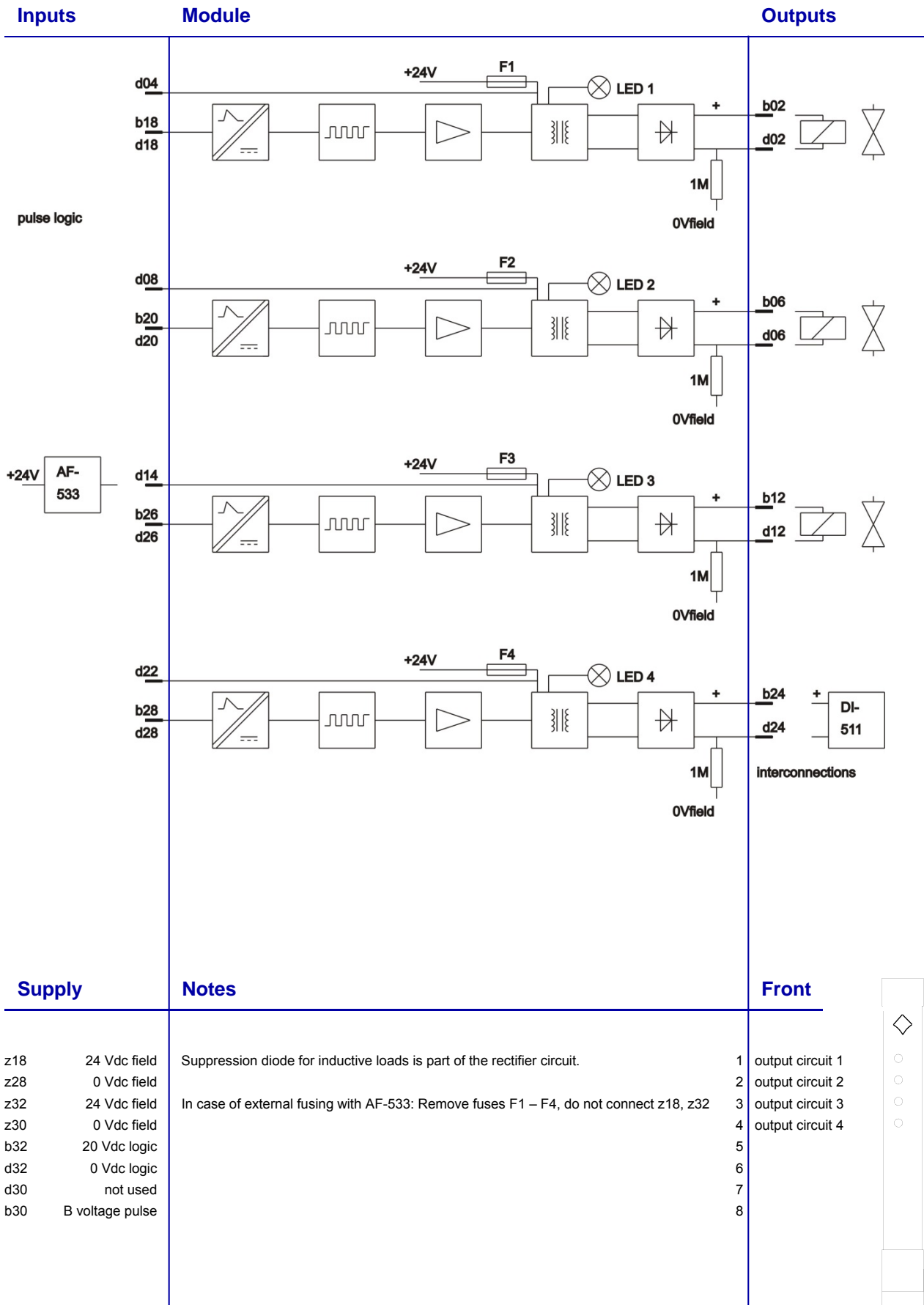
The outputs are suited for 0.1 - 5 W loads.

The outputs are of the fail-safe type intended for de-energized to trip systems. Outputs can also be used to drive fail-safe digital inputs to realize fail-safe dc interconnections between (sub) systems.

Each output is short circuit protected, by means of a power supply fuse.

The module is provided with 4 red LEDs, indicating the outputs of the channels.

FUNCTIONAL DIAGRAM



■ SPECIFICATIONS

| Description | | Data |
|-------------|----------------------|--|
| General | Number of channels | 4 |
| | Width | 3HP |
| | Identification | FO-529 on front and more detailed on connector label |
| | Weight | 140 gram |
| Input | Pulse logic | Current pulses 500 mA |
| | Unit load | 1 |
| Output | Output type | Isolated dc / dc-converter output, fail-safe |
| | Voltage | 24 Vdc +10%, -5% and field voltage tolerance |
| | Current | Max. 0.22 A (5.3 W load at 24 Vdc) |
| | Minimum load | 0.1 W (4 mA at 24 Vdc) |
| | Isolation resistance | 1 M Ω (minus terminal to 0 V field) |
| | Efficiency | > 85% with full load |
| | Field supply fuse | 0.4 A fast per output |
| | Status indication | Red LED per output |
| Propagation | On delay | 1 – 5 msec. |
| | Off delay | 5 – 15 msec. with full load < 35 msec. with minimum load |
| Supply | Field supply | 24 Vdc \pm 10% Max. 1 V top-top ripple < 1 mA all channels off 60mA all channels no load 1.03 A all channels full load |
| | Logic supply | 20 Vdc 1 mA |
| | Clock | B pulse, level 0 / 20 V |
| Dissipation | | 3.5 W with all channels full load |

■ NOTES