

General Specifications

DO-523-03

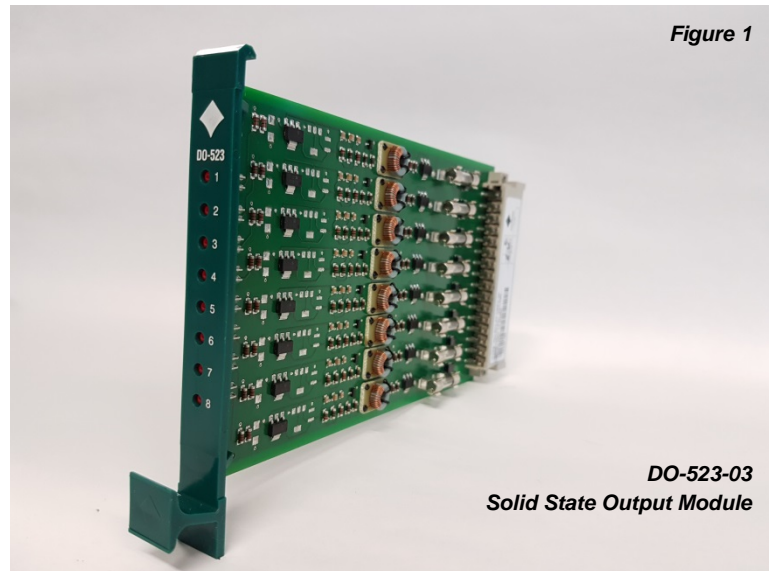
ProSafe-SLS™

GS48C23Z03-00E-N

Solid State Output Module

■ GENERAL

The DO-523 is an eight channel solid state output module.



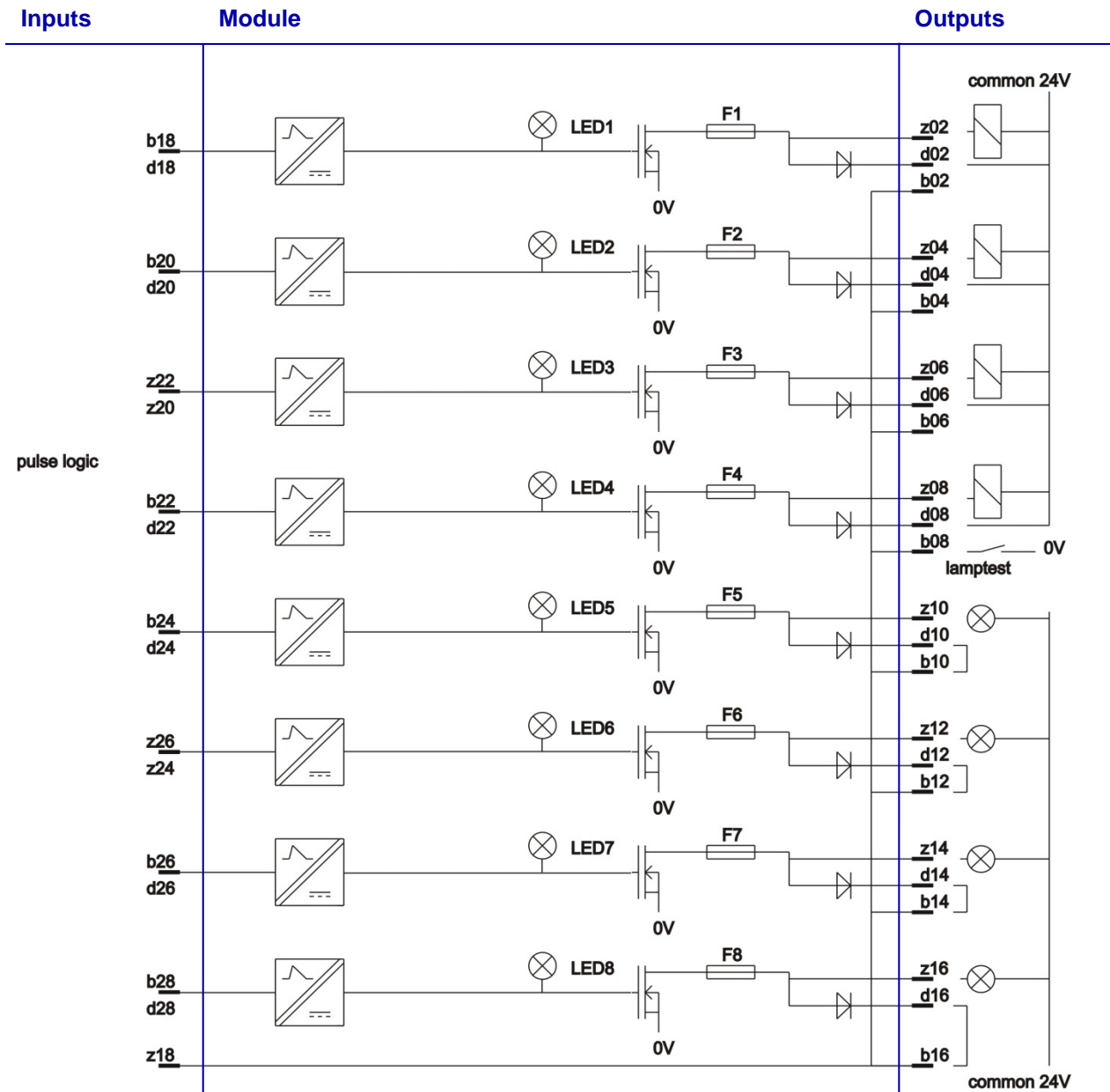
The module converts current pulses to a current sink output. The inputs and outputs are galvanically isolated. Each output is protected with a fuse.

The module can be used as a lamp- and/or relay driver.

For driving relays a suppression diode is available on the module. This diode must also be used if the lamp test function is implemented. The functional diagram shows how to wire up the various output capabilities.

The LEDs on the front indicate the activated outputs.

FUNCTIONAL DIAGRAM



Supply

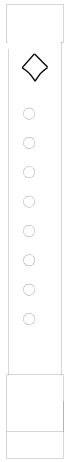
Notes

Front

z32	24 Vdc field
z30	0 Vdc field
z28	0 Vdc field
b32	not used
d32	not used
d30	not used
b30	not used

Use z18, b02-b16 for commons

- 1 output circuit 1
- 2 output circuit 2
- 3 output circuit 3
- 4 output circuit 4
- 5 output circuit 5
- 6 output circuit 6
- 7 output circuit 7
- 8 output circuit 8



■ SPECIFICATIONS

Description		Data
General	Number of channels	8
	Width	3HP
	Identification	DO-523 on front and more detailed on connector label
	Weight	125 gram
Input	Output type	Current pulse 500 mA
	Unit Load	1
Output	Output type	Current sink solid state
	Voltage	60 Vdc
	Current	1 A
	Fuse	1 A fast
	Voltage drop	< 0.5 V
	Leakage current	< 100 μ A
	Status indication	Red LED per output
Propagation	On delay	1 - 5 msec.
	Off delay	2 - 10 msec.
Supply	Field supply	24 Vdc \pm 10% < 1 V top-top ripple 30 mA with all channels active
Dissipation		4 W with all outputs on and at full load

■ NOTES