

General Specifications

DI-511-06

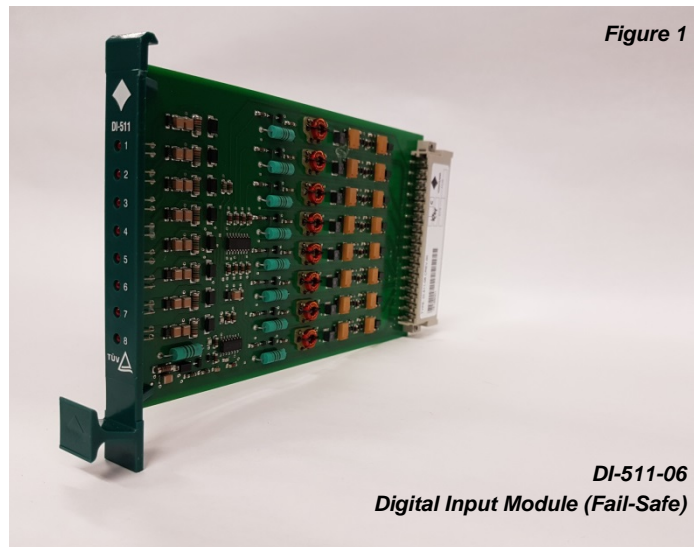
ProSafe-SLS™

GS48C11Z06-00E-N

Digital Input Module (Fail-Safe)

■ GENERAL

The digital input module is intended as digital field input signal converter to ProSafe-SLS logic signals.

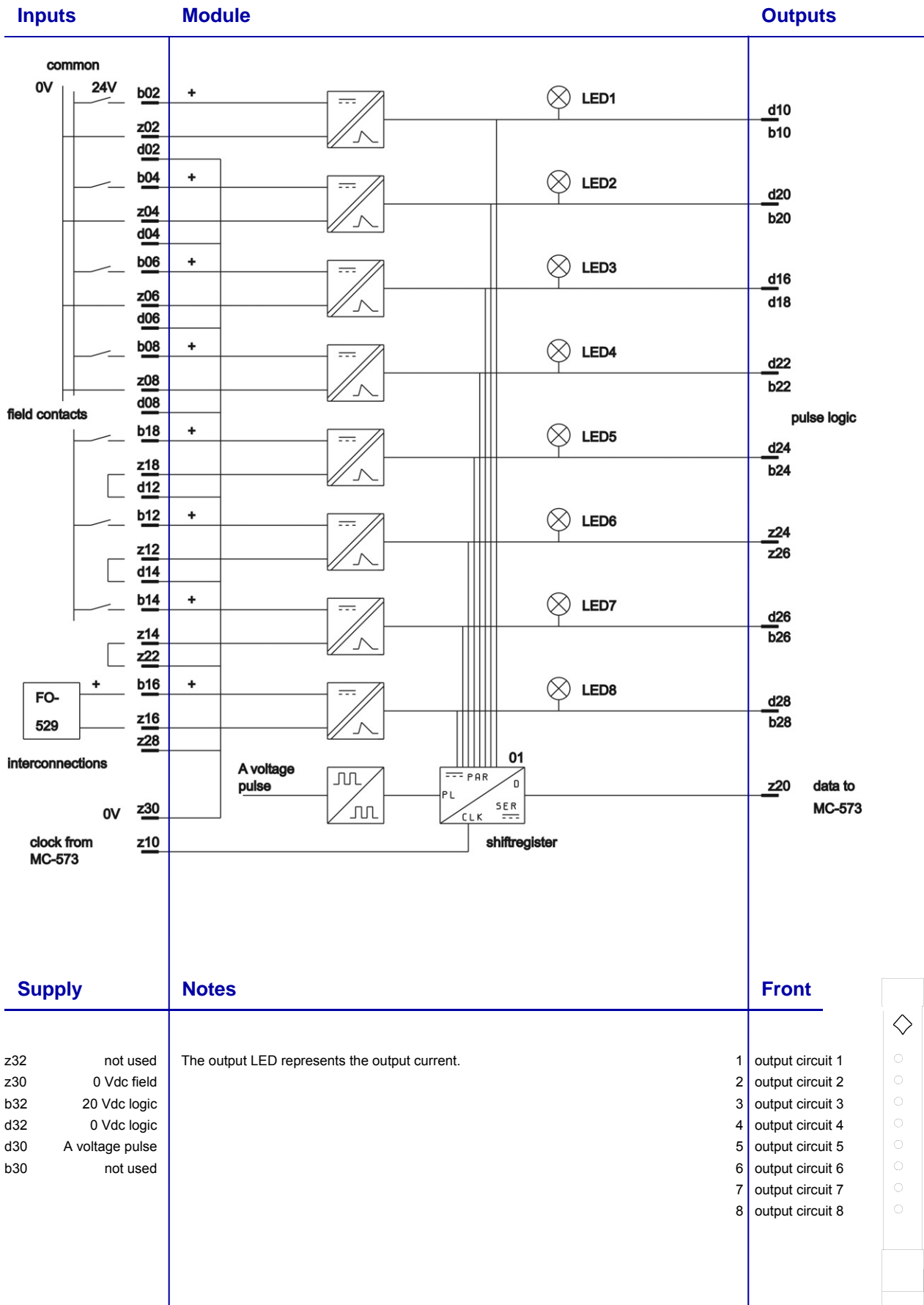


This digital input module has 8 channels. Each channel exists of a galvanically isolated voltage input converter to fail-safe pulse logic signals.

The module is provided with 8 red LEDs, indicating the outputs of the channels.

The module is equipped with monitoring circuitry for connection to the Sequence of Event Recording (SER) system.

FUNCTIONAL DIAGRAM



■ SPECIFICATIONS

Description		Data
General	Number of channels	8
	Width	3HP
	Identification	DI-511 on front and more detailed on connector label
	Weight	115 gram
Input	Input type	Isolated dc input, fail-safe
	Voltage	24 Vdc $\pm 20\%$
	Ripple	Max. 1 V top-top
	Level logical '1'	> 18 Vdc
	Level logical '0'	< 10 Vdc
	Current	8.5 mA
	Fail-safe level	< 0.5 V or < 2.5 mA (in case of multiple component failures)
	Clock	Clock pulses from MC-573, level 0 / 11 V
Output	Pulse logic	Current pulses 500 mA
	Capacity	10 unit loads
	Status indication	Red LED per output
	Data	8 bits serial data, level 0 / 11 V
Propagation	On delay	5-15 msec.
	Off delay	5-15 msec.
Supply	Logic supply	20 Vdc 12 mA with all outputs on
	Clock	A pulse, level 0 / 20 V
Dissipation		2 W with all channels on

■ NOTES