

General Specifications

DI-511-05

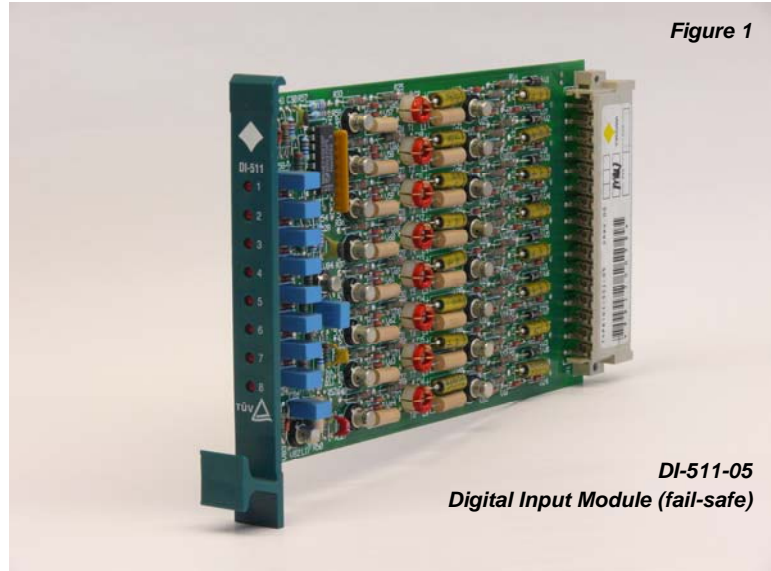


GS48C11Z05-00E-N

Digital Input Module (fail-safe)

■ GENERAL

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

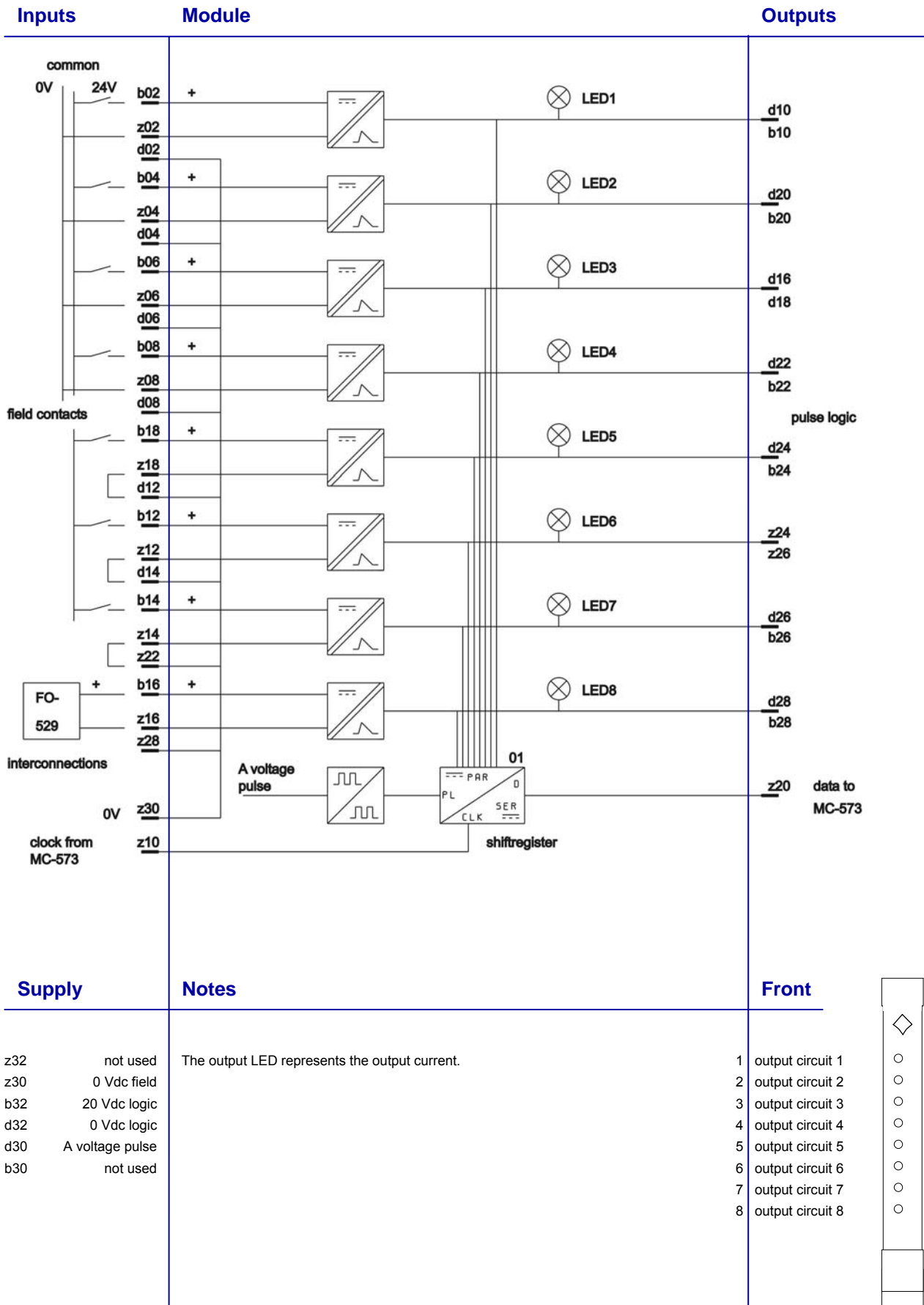


This digital input module has 8 channels. Each channel exists of a galvanically isolated voltage input converter to fail-safe pulse logic signals.

The module is provided with 8 red LED's, 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	No. of channels	8
	Size	single euro format 3TE (160x100x15 mm)
	Connector	DIN 41612 Bauform F 48p
	Identification	DI-511 on front
Environmental	Temperature (working)	-20 to +70 °C
	Temperature (storage)	-25 to +85 °C
	Relative humidity	max. 95%, no condensation
	EMC	EN50081-2 Emission EN50082-2 Immunity DIN VDE 0839/10-S2
	Shock	10g ; 16 ms
	Vibration	10-55 Hz ; ± 0.35 mm
Input	Input type	Isolated dc input, fail-safe
	Voltage	24 Vdc ±20%
	Ripple	Max. 1V top-top
	Level 1	> 18 Vdc
	Level 2	< 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 ms
	Off delay	5-15 ms
Supply	Logic supply	20 Vdc, 12 mA @ all outputs on
	Clock signal	A voltage pulse
Isolation	Isolated dc input	0.5 kV (test)
Dissipation		2 W @ all channels on

■ NOTES