

General Specifications

MC-581-01

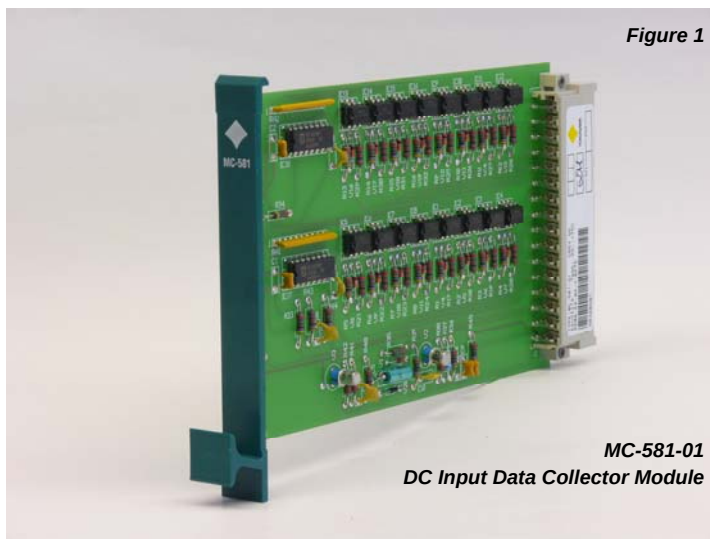


GS48C81Z01-00E-N

DC Input Data Collector Module

■ GENERAL

The MC-581 is a sixteen channel 24 Volt DC input module.



The MC-581 converts 24 VDC input signals to two serial data signals. They can be connected to MC-573 data inputs. All field inputs are galvanically isolated from each other and from the communication system.

The MC-573 read-clock signal is connected to the common read clock input on the MC-581 module.

The MC-581 has no time delay and is used in applications where signals are not already available for the communication system.

■ FUNCTIONAL DIAGRAM

Inputs	Module	Outputs
Supply	Notes	Front
z32	not used	1
z30	not used	2
b32	20 Vdc logic	3
d32	0 Vdc logic	4
d30	A voltage pulse	5
b30	not used	6
		7
		8

■ SPECIFICATIONS

Description		Data
General	No. of channels	16
	Size	single Euro format 3TE (160x100x15 mm)
	Connector	DIN 41612 Bauform F 48p
	Identification	MC-581 on front
Environmental	Temperature (working)	-20 to +70 °C
	Temperature (storage)	-25 to +85 °C
	Relative humidity	max. 95%, no condensation
	EMC	EN 61000-6-2 Immunity EN 61000-6-4 Emission
		With an EMC system enclosure
	Shock	10g; 16 ms
Input	Vibration	10-55 Hz ; ± 0.35 mm
	Input type	Isolated 24Vdc
	Voltage	24 Vdc $\pm 20\%$
	Ripple	< 1 V top-top
	Level 1	> 18 V
	Level 0	< 10 V
	Current	2.5 mA
	Serial clock	Clock pulse from MC-573 (Min. 20 μ S)
	Level	0/11 V
Output	Output type	8 bits serial data (two channels)
	Level	0/11 V
Propagation	Not applicable	
Supply	Field supply	20 Vdc
	Current consumption	12 mA
	Clock signal	A voltage pulse
Isolation	DC input	0.5 kV (test)
Dissipation		1.4 W @ all channels on

■ NOTES