



## 021-1BB00 - Signal modules digital | Digital input modules

Order no.	021-1BB00
Type	SM 021
Module ID	0001 9F82
<b>General information</b>	
Note	-
Features	2 inputs
<b>Current consumption/power loss</b>	
Current consumption from backplane bus	55 mA
Power loss	0.5 W
<b>Technical data digital inputs</b>	
Number of inputs	2
Cable length, shielded	1000 m
Cable length, unshielded	600 m
Rated load voltage	-
Current consumption from load voltage L+ (without load)	-
Rated value	DC 20.4...28.8 V
Input voltage for signal "0"	DC 0...5 V
Input voltage for signal "1"	DC 15...28.8 V
Input voltage hysteresis	-
Frequency range	-
Input resistance	-
Input current for signal "1"	3 mA
Connection of Two-Wire-BERs possible	
Max. permissible BERO quiescent current	0.5 mA
Input delay of "0" to "1"	3 ms
Input delay of "1" to "0"	3 ms
Number of simultaneously utilizable inputs horizontal configuration	2
Number of simultaneously utilizable inputs vertical configuration	2
Input characteristic curve	IEC 61131, type 1
Initial data size	2 Bit
<b>Status information, alarms, diagnostics</b>	

Status display	green LED per channel
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	none
Module state	green LED
Module error display	red LED
Channel error display	none
<b>Isolation</b>	
Between channels	-
Between channels of groups to	-
Between channels and backplane bus	
Insulation tested with	DC 500 V
<b>Safety</b>	
Safety protocoll	-
Safety requirements	-
Secure user address	-
Watchdog	-
Two channels	-
Test pulse outputs	-
<b>Mechanical data</b>	
Dimensions (WxHxD)	12.9 mm x 109 mm x 76.5 mm
Weight	60 g
<b>Environmental conditions</b>	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
<b>Certifications</b>	
UL508 certification	in preparation