

Data sheet

SM 021 (021-1BF50)

Technical data

Type SM 021 Module ID 0007 9FC1 General Information Note - Features & CI Evaluation CVP Current consumption/power loss Current consumption from backplane bus 6.6 Sm A Power loss 0.9 W Technical data digital inputs Number of inputs 8 Cable length, shielded 1000 m Cable length, unshielded 600 m Cable length, unshielded 600 m Rated valuage - Current consumption from load voltage L+ (without load) - Rated valuage 0.00 m Current consumption from load voltage L+ (without load) - Rated valuage 0.00 m Unjust voltage for signal "1" 0.00 m Input voltage for signal "1" 0.00 m Input voltage for signal "1" 0.00 m Frequency range - Input capacitance - Input capacitance - Input capacitance - Input delay of "0	Order no.	021-1BF50
General information Note - Features 8x DI DC 24 V NPN Current consumption from backplane bus 65 mA Power loss 0.9 W Technical data digital inputs Number of inputs 8 Cable length, unshielded 600 m Cable length, unshielded 600 m Rated load voltage - Current consumption from load voltage L+ (without load) - Rated value DC 20.428.8 V Input voltage for signal "0" DC 1528.8 V Input voltage for signal "1" DC 05 V Input voltage hysteresis - Signal logic input Sourcing input Frequency range - Input resistance - Input current for signal "1" 3 mA Connection of "Two-Wire-BEROs possible yes Max. permissible BERO quiescent current 0.5 mA Input delay of "0" to "1" 3 ms Input delay of "0" to "1" 3 ms Input delay of "1" to "0" 8 bit Input characteris	Туре	SM 021
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Input characteristic curve - Initial data size 8 Bit Status information, alarms, diagnostics Status display green LED per channel Interrupts no Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostics information read-out none		8
Initial data size 8 Bit Status information, alarms, diagnostics Status display green LED per channel Interrupts no Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostics information read-out none	Number of simultaneously utilizable inputs vertical configuration	8
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Diagnostic functions no no none	Process alarm	no
Diagnostics information read-out none	Diagnostic interrupt	no
	Diagnostic functions	no
Module state green LED	Diagnostics information read-out	none
	Module state	green LED



Module error display	red LED
Channel error display	none
Isolation	
Between channels	
Between channels of groups to	-
Between channels and backplane bus	yes
Insulation tested with	DC 500 V
Safety	
Safety protocol	-
Safety requirements	-
Secure user address	-
Watchdog	-
Two channels	-
Test pulse outputs	-
Datasizes	
Input bytes	1
Output bytes	0
Parameter bytes	0
Diagnostic bytes	0
Housing	
Material	PPE / PPE GF10
Mounting	Profile rail 35 mm
Mechanical data	
Dimensions (WxHxD)	12.9 mm x 109 mm x 76.5 mm
Net weight	57 g
Weight including accessories	57 g
Gross weight	71 g
Environmental conditions	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	yes
KC certification	yes