

Data sheet

SM 021 (021-1BF50)

Technical data

Type	Order no.	021-1BF50
Module ID 0007 SFC1 General information Note	Туре	SM 021
Note - Features - Simpute Active low input	- ''	0007 9FC1
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Features 8 inputs Active low input Current consumption/power loss Current consumption from backplane bus 65 mA Power loss 0.9 W Technical data digital inputs Number of inputs 8 Cable length, shielded 1000 m Cable length, shielded 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 - Frequency range - Input current for signal "1" 3 mA Connection of Two-Wire-BEROs possible Max. permissible BERO quiescent current 0.5 mA Input delay of "0" to "1" 3 ms Input delay of "0" to "1" 3 ms Number of simultaneously utilizable inputs horizontal configuration 8 Input characteristic curve - Initial data size 8 Bit Status display green LED per channel Interrupts no Diagnostic interrupt no	General information	
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Frequency range -	Input voltage for signal "1"	DC 05 V
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Connection of Two-Wire-BEROs possible Max. permissible BERO quiescent current Input delay of "0" to "1" 3 ms Input delay of "1" to "0" 3 ms Number of simultaneously utilizable inputs horizontal configuration Number of simultaneously utilizable inputs vertical configuration 8 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	Input resistance	-
Max. permissible BERO quiescent current Input delay of "0" to "1" 3 ms Input delay of "1" to "0" 3 ms Number of simultaneously utilizable inputs horizontal configuration Number of simultaneously utilizable inputs vertical configuration 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	Input current for signal "1"	3 mA
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Input delay of "1" to "0" Number of simultaneously utilizable inputs horizontal configuration Number of simultaneously utilizable inputs vertical configuration Input characteristic curve Initial data size Status information, alarms, diagnostics Status display green LED per channel Interrupts no Process alarm no Diagnostic interrupt no	Max. permissible BERO quiescent current	0.5 mA
Number of simultaneously utilizable inputs horizontal configuration Number of simultaneously utilizable inputs vertical configuration Input characteristic curve Initial data size Status information, alarms, diagnostics Status display green LED per channel Interrupts no Process alarm no Diagnostic interrupt no	Input delay of "0" to "1"	3 ms
Configuration Number of simultaneously utilizable inputs vertical configuration 8 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	Input delay of "1" to "0"	3 ms
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		8
Initial data size 8 Bit Status information, alarms, diagnostics Status display green LED per channel Interrupts no Process alarm no Diagnostic interrupt no	Number of simultaneously utilizable inputs vertical configuration	8
Status information, alarms, diagnostics Status display green LED per channel Interrupts no Process alarm no Diagnostic interrupt no	Input characteristic curve	-
Status display green LED per channel Interrupts no Process alarm no Diagnostic interrupt no	Initial data size	8 Bit
Interrupts no Process alarm no Diagnostic interrupt no	Status information, alarms, diagnostics	
Process alarm no Diagnostic interrupt no	Status display	green LED per channel
Diagnostic interrupt no	Interrupts	no
	Process alarm	no
Diagnostic functions no	Diagnostic interrupt	no
Diagnostic fanotions III	Diagnostic functions	no
Diagnostics information read-out none	Diagnostics information read-out	none
Module state green LED	Module state	green LED



Module error display	red LED	A YASKAWA COMPANY
Channel error display	none	
Isolation		
Between channels	-	
Between channels of groups to	-	
Between channels and backplane bus	✓	
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
Weight	60 g	
Environmental conditions		
Operating temperature	0 °C to 60 °C	
Storage temperature	-25 °C to 70 °C	
Certifications		
UL508 certification	yes	