

Data sheet SM 021 (021-1BF50)

Technical data

Type SM 021 Module ID 0007 9FC1 General information - Note - Features 8 inputs Active few input Current consumption/power loss 65 mA Current consumption from backplane bus 65 mA Power loss 0.9 W Technical data digital inputs 8 Number of inputs 8 Cable length, shielded 1000 m Cable length, shielded 600 m Rated value 0.00 m Rated load voltage - Current consumption from load voltage L+ (without load) - Rated value DC 20428.8 V Input voltage for signal "1" DC 0.5.9 V Input voltage for signal "1" DC 05 V Input voltage for signal "1" DC 05 V 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 "1" to "0" 3 ms Input delay of "1" to "0" 3 ms Number of simul	Order no.	021-1BF50
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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 "1" to "0" 3 ms Number of simultaneously utilizable inputs horizontal 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 Diagnostic functions no Diagnostics information read-out none	Input voltage hysteresis	-
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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	Input characteristic curve	-
Status display green LED per channel Interrupts no Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostics information read-out none	Initial data size	8 Bit
Interrupts no Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostics information read-out none	Status information, alarms, diagnostics	
Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostics information read-out none	Status display	green LED per channel
Diagnostic interrupt no Diagnostic functions no Diagnostics information read-out none	Interrupts	no
Diagnostic functions no Diagnostics information read-out 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	A YASKAWA COMPANY	
Channel error display	none	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	0	
Parameter bytes	0		
Diagnostic bytes	0		
Housing			
Material	PPE / PPE GF10	PPE / PPE GF10	
Mounting	Profile rail 35 mm		
Mechanical data			
Dimensions (WxHxD)	12.9 mm x 109 mm x 76	12.9 mm x 109 mm x 76.5 mm	
Weight	60 g		
Environmental conditions			
Operating temperature	0 °C to 60 °C	0 °C to 60 °C	
Storage temperature	-25 °C to 70 °C		
Certifications			
UL certification	yes	yes	
KC certification	yes	yes	