

Data sheet SM 221 (221-1FF50)

Technical data

Seneral information	Order no.	221-1FF50
Section Sect	Туре	SM 221
Features 8 inputs AC 180265 V Current consumption/power loss Current consumption from backplane bus 80 mA Power loss 3 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 AC/DC 180265 V Input voltage for signal "0" AC/DC 80150 V Input voltage for signal "1" AC/DC 80265 V Input delay of "0" to "1" - 25 ms Input delay of "0" to "1" 25 ms Value delay of "1" to "0" 25 ms Number of simultaneously utilizable inputs vortical configuration 8 Input characteristic curve - Initial data size 1 Byte Status display Interrupt no Diagnostic interrupt no Diagnostic functions no O	General information	
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Interrupts no Process alarm no Diagnostic interrupt no Diagnostic functions no	Status information, alarms, diagnostics	
Process alarm no Diagnostic interrupt no Diagnostic functions no	Status display	green LED per channel
Diagnostic interrupt no no no	Interrupts	no
Diagnostic functions no	Process alarm	no
	Diagnostic interrupt	no
Diagnostics information read-out none	Diagnostic functions	no
	Diagnostics information read-out	none
Supply voltage display none	Supply voltage display	none
Group error display none	Group error display	none



Channel error display	none	A YASKAWA COMPANY	
Isolation			
Between channels	-		
Between channels of groups to	8		
Between channels and backplane bus	yes		
Insulation tested with	DC 500 V		
Datasizes			
Input bytes	1		
Output bytes	0		
Parameter bytes	0	0	
Diagnostic bytes	0		
Housing			
Material	PPE / PA 6.6		
Mounting	Profile rail 35 mm		
Mechanical data			
Dimensions (WxHxD)	25.4 mm x 76 mm x 88 mm		
Weight	90 g		
Environmental conditions			
Operating temperature	0 °C to 60 °C	0 °C to 60 °C	
Storage temperature	-25 °C to 70 °C	-25 °C to 70 °C	
Certifications			
UL certification	yes	yes	
KC certification	-		