

Data sheet

SM 221 (221-1BH50)

Technical data

Order no.	221-1BH50
Туре	SM 221
General information	
Note	-
Features	16x DI DC 24 V NPN For conversion module UB4x With LED status display
Current consumption/power loss	
Current consumption from backplane bus	40 mA
Power loss	3.5 W
Technical data digital inputs	
Number of inputs	16
Cable length, shielded	1000 m
Cable length, unshielded	600 m
Rated load voltage	-
Current consumption from load voltage L+ (without load)	-
Rated value	DC 20.428.8 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"	7 mA
Connection of Two-Wire-BEROs possible	yes
Max. permissible BERO quiescent current	1.5 mA
Input delay of "0" to "1"	3 ms
Input delay of "1" to "0"	3 ms
Number of simultaneously utilizable inputs horizontal configuration	16
Number of simultaneously utilizable inputs vertical configuration	16
Input characteristic curve	-
Initial data size	2 Byte
Status information, alarms, diagnostics	
Status display	none
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	none
Supply voltage display	none

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Group error display	none	
Channel error display	none	
Isolation		
Between channels	-	
Between channels of groups to	16	
Between channels and backplane bus	yes	
Insulation tested with	DC 500 V	
Datasizes		
Input bytes	2	
Output bytes	0	
Parameter bytes	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	
Net weight	70 g	
Weight including accessories	-	
Gross weight	-	
Environmental conditions		
Operating temperature	0 °C to 60 °C	
Storage temperature	-25 °C to 70 °C	
Certifications		
UL certification	yes	
KC certification		