

Data sheet

SM 323 (323-1BL00)

Technical data

Type SM 323 General information Note - 16 inputs/16 outputs Output current 1 A SPEED-Bus	Order no.	323-1BL00
Note - 16 inputs' 16 outputs Output current 1 Å SPEED-Bus Current consumption/power loss - 130 mA Power loss 5.8 W Technical data digital inputs	Туре	SM 323
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Features 16 inputs/ 16 outputs Output current 1 A SPEED-Bus - Current consumption/power loss Current consumption from backplane bus 130 mA Power loss 5.8 W Technical data digital inputs Number of inputs 16 Cable length, shelded 1000 m Cable length, unshielded 600 m Rated load voltage DC 24 V Current consumption from load voltage L+ (without load) 30 mA Rated value DC 0.5 V Input voltage for signal '0' DC 1528.8 V Input voltage for signal '1' DC 1528.8 V Input voltage for signal '1' TO 15 mA Input resistance Input current for signal '1' To MA Connection of Two-Wire-BEROs possible Max, permissible BERO quiescent current 1.5 mA Input delay of '0' to '1' 3 ms Input delay of '0' to '1' 3 ms Input delay of '1' to '0' 3 ms Number of simultaneously utilizable inputs vertical configuration 16 Input characteristic curve IEC 61131-2, type 1 Initial data size 2 Byte Technical data digital outputs Number of outputs 16 Cable length, unshielded 600 m Rated load voltage L+ (without load) 30 mA		
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Rated load voltage DC 24 V Reverse polarity protection of rated load voltage Current consumption from load voltage L+ (without load) 30 mA	Cable length, shielded	1000 m
Reverse polarity protection of rated load voltage Current consumption from load voltage L+ (without load) 30 mA	Cable length, unshielded	600 m
Current consumption from load voltage L+ (without load) 30 mA	Rated load voltage	DC 24 V
	Reverse polarity protection of rated load voltage	✓
Output current at signal "1", rated value 1 A	Current consumption from load voltage L+ (without load)	30 mA
	Output current at signal "1", rated value	1 A



Output delay of "0" to "1"	150 µs	A YASKAWA COMPANY
Output delay of "1" to "0"	100 µs	
Minimum load current	-	
Lamp load	5 W	
Parallel switching of outputs for redundant control of a load	possible (only outputs group)	
Parallel switching of outputs for increased power	not possible	
Actuation of digital input	✓	
Switching frequency with resistive load	max. 1000 Hz	
Switching frequency with inductive load	max. 0.5 Hz	
Switching frequency on lamp load	max. 10 Hz	
Internal limitation of inductive shut-off voltage	L+ (-52 V)	
Short-circuit protection of output	yes, electronic	
Trigger level	1.5 A	
Number of operating cycle of relay outputs	-	
Switching capacity of contacts	-	
Output data size	2 Byte	
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	
Supply voltage display	green LED per group	
Group error display	red SF LED	
Channel error display	none	
Isolation		
Between channels	√	
Between channels of groups to	8	
Between channels and backplane bus	√	
Insulation tested with	DC 500 V	
Detecines		
Datasizes Input bytes	2	
Output bytes	2	
Parameter bytes	0	
Diagnostic bytes	0	
Housing Material	PPE	
Mounting	Rail System 300	
	·	
Mechanical data	40 mm v 405 400	
Dimensions (WxHxD) Weight	40 mm x 125 mm x 120 mm	
weign	260 g	
Environmental conditions		
Operating temperature	0 °C to 60 °C	



Storage temperature -25 °C to 70 °C A YASKAWA COMPANY

Certifications

UL508 certification yes