

Data sheet SM 322 (322-1BL00)

Technical data

Type SM 322 General information - Note - Features D2 24 V Output current 1 A SPEED-Bus - Current consumption/power loss 200 mA Current consumption/power loss 6 W Technical data digital outputs 32 Number of outputs 32 Cable length, shielded 1000 m Cable length, unshielded 600 m Rated load votage DC 24 V Current consumption from load votage L+ (without load) 30 mA Total current per group, horizontal configuration, 40°C 2.5 A Total current per group, horizontal configuration 2.5 A Output delay of '0' to '1' 150 µs Output delay of '1' to '1' 160 µs Output delay of '1' to '1' 100 µs Minimum load current - Lamp load 6W Parallel subthing of outputs for increased power not possible Actuation of digital input yes Switching frequency on hang load max. 1000 Hz Switching frequency on hang load	Order no.	322-1BL00
Note - Features 32 outputs, in groups of 8 D2 44 V Output current 1 A SPEED-Bus - Current consumption/power loss 200 mA Power loss 6 W Technical data digital outputs 32 Number of outputs 32 Cable length, shielded 1000 m Cable longth, unshielded 600 m Cable longth, unshielded 1000 m Cable longth, unshielded 100 ps Total current per group, horizontal configuration 2.5 A Total cu	Туре	SM 322
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Power loss 6 W Technical data digital outputs 32 Number of outputs 32 Cable length, shielded 600 m Rated load voltage DC 24 V Current consumption from load voltage L+ (without load) 30 mA Total current per group, horizontal configuration, 40°C 2.5 A Total current per group, horizontal configuration, 60°C 2.5 A Output delay of '0° to '1' 150 µS Output delay of '0° to '1' 150 µS Output delay of '0° to '1' 1000 µS Minimum load current - Lamp load 6 W Parallel switching of outputs for redundant control of a load possible Actuation of digital input yes Switching frequency with resistive load max. 1000 Hz Switching frequency on lamp load max. 112 Internal finitiation of inductive shut-off voltage 1.5 A Number of operating cycle of relay outputs - Switching requency of contacts - Output deta size 4 Byte Status linformation, alarms, diagnostics Status linformatel	Current consumption/power loss	
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Internal limitation of inductive shut-off voltageL+ (-52 V)Short-circuit protection of outputyes, electronicTrigger level1.5 ANumber of operating cycle of relay outputs-Switching capacity of contacts-Output data size4 ByteStatus information, alarms, diagnosticsgreen LED per channelInterruptsno	Switching frequency with inductive load	max. 0.5 Hz
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 4 Byte Status information, alarms, diagnostics green LED per channel Interrupts no	Switching frequency on lamp load	max. 1 Hz
Trigger level 1.5 A Number of operating cycle of relay outputs - Switching capacity of contacts - Output data size 4 Byte Status information, alarms, diagnostics green LED per channel Interrupts no	Internal limitation of inductive shut-off voltage	L+ (-52 V)
Number of operating cycle of relay outputs - Switching capacity of contacts - Output data size 4 Byte Status information, alarms, diagnostics - Status display green LED per channel Interrupts no	Short-circuit protection of output	yes, electronic
Switching capacity of contacts - Output data size 4 Byte Status information, alarms, diagnostics - Status display green LED per channel Interrupts no	Trigger level	1.5 A
Output data size 4 Byte Status information, alarms, diagnostics Status display Interrupts no	Number of operating cycle of relay outputs	-
Status information, alarms, diagnostics Status display green LED per channel Interrupts no	Switching capacity of contacts	-
Status display green LED per channel Interrupts no	Output data size	4 Byte
Interrupts no	Status information, alarms, diagnostics	
	Status display	green LED per channel
Process alarm no	Interrupts	no
	Process alarm	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 setween channels Between channels of groups to 8 Between channels and backplane bus yes Insulation tested with DC 500 V Datasizes 0 Input bytes 0 Output bytes 4 Parameter bytes 0 Diagnostic bytes 0 Housing Rail System 300 Material PPE Mounting Rail System 300 Mechanical data 260 g Environmental conditions 0 °C to 60 °C Storage temperature 0 °C to 60 °C Storage temperature 10 °C to 60 °C Storage temperature 0 °C to 60 °C Storage temperature 10 °C to 60 °C	Diagnostic interrupt	no	A YASKAWA COMPANY	
Supply voltage display green LED per group Group error display red SF LED Channel error display none Isolation green channels Between channels of groups to 8 Between channels and backplane bus yes Insulation tested with DC 500 V Datasizes 0 Input bytes 0 Output bytes 4 Parameter bytes 0 Diagnostic bytes 0 Housing Rail System 300 Material PPE Mounting Rail System 300 Mechanical data Dimensions (WxHxD) Veight 260 g Environmental conditions -25 °C to 70 °C Certifications yes	Diagnostic functions	no	no	
Group error display red SF LED Channel error display none Isolation Isolation Between channels yes Between channels of groups to 8 Between channels and backplane bus yes Insulation tested with DC 500 V Datasizes 0 Input bytes 0 Output bytes 4 Parameter bytes 0 Diagnostic bytes 0 Material PPE Mounting Rail System 300 Mechanical data Dimensions (WxHxD) Veight 260 g Environmental conditions 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certification yes	Diagnostics information read-out	none	none	
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Weight 260 g Environmental conditions Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications UL certification	Mechanical data			
Environmental conditions Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications UL certification UL certification yes	Dimensions (WxHxD)	40 mm x 125 mm x 120 m	40 mm x 125 mm x 120 mm	
Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications UL certification	Weight	260 g		
Storage temperature -25 °C to 70 °C Certifications UL certification VL certification yes	Environmental conditions			
Certifications UL certification yes	Operating temperature	0 °C to 60 °C		
UL certification yes	Storage temperature	-25 °C to 70 °C	-25 °C to 70 °C	
	Certifications			
KC certification yes	UL certification	yes	yes	
	KC certification	yes	yes	