

Data sheet SM 222 (222-2BL10)

Technical data

Type   SM 222     General information   -     Note   -     Features   32 outputs Output current 1 A     Current consumption/power loss   -     Current consumption from backplane bus   180 mA     Power loss   6.5 W     Technical data digital outputs   32     Number of outputs   32     Cable length, shielded   1000 m     Cable length, unshielded   600 m     Rated load voltage   DC 20.428.8 V	Order no.	222-2BL10
Note   -     Features   32 outputs Output current 1 A     Current consumption/power loss   0     Current consumption from backplane bus   180 mA     Power loss   6.5 W     Technical data digital outputs   32     Number of outputs   32     Cable length, shielded   1000 m     Cable length, unshielded   600 m		SM 222
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Current consumption from backplane bus   180 mA     Power loss   6.5 W     Technical data digital outputs   Image: Cable length, shielded     Number of outputs   32     Cable length, unshielded   1000 m     Cable length, unshielded   600 m	Features	
Power loss 6.5 W   Technical data digital outputs 32   Number of outputs 32   Cable length, shielded 1000 m   Cable length, unshielded 600 m	Current consumption/power loss	
Technical data digital outputs     Number of outputs   32     Cable length, shielded   1000 m     Cable length, unshielded   600 m	Current consumption from backplane bus	180 mA
Number of outputs32Cable length, shielded1000 mCable length, unshielded600 m	Power loss	6.5 W
Cable length, shielded 1000 m   Cable length, unshielded 600 m	Technical data digital outputs	
Cable length, unshielded 600 m	Number of outputs	32
	Cable length, shielded	1000 m
Rated load voltage DC 20.428.8 V	Cable length, unshielded	600 m
	Rated load voltage	DC 20.428.8 V
Current consumption from load voltage L+ (without load) 15 mA	Current consumption from load voltage L+ (without load)	15 mA
Total current per group, horizontal configuration, 40°C 10 A	Total current per group, horizontal configuration, 40°C	10 A
Total current per group, horizontal configuration, 60°C 10 A	Total current per group, horizontal configuration, 60°C	10 A
Total current per group, vertical configuration 10 A	Total current per group, vertical configuration	10 A
Output current at signal "1", rated value 1 A	Output current at signal "1", rated value	1 A
Output delay of "0" to "1" 150 µs	Output delay of "0" to "1"	150 µs
Output delay of "1" to "0" 100 µs	Output delay of "1" to "0"	100 µs
Minimum load current -	Minimum load current	-
Lamp load 5 W	Lamp load	5 W
Parallel switching of outputs for redundant control of a load not possible	Parallel switching of outputs for redundant control of a load	not possible
Parallel switching of outputs for increased power not possible	Parallel switching of outputs for increased power	not possible
Actuation of digital input yes	Actuation of digital input	yes
Switching frequency with resistive load max. 1000 Hz	Switching frequency with resistive load	max. 1000 Hz
Switching frequency with inductive load max. 0.5 Hz	Switching frequency with inductive load	max. 0.5 Hz
Switching frequency on lamp load max. 10 Hz	Switching frequency on lamp load	max. 10 Hz
Internal limitation of inductive shut-off voltage L+ (-52 V)	Internal limitation of inductive shut-off voltage	L+ (-52 V)
Short-circuit protection of output yes, electronic	Short-circuit protection of output	yes, electronic
Trigger level 1.5 A	Trigger level	1.5 A
Number of operating cycle of relay outputs -	Number of operating cycle of relay outputs	-
Switching capacity of contacts -	Switching capacity of contacts	-
Output data size 4 Byte	Output data size	4 Byte
Status information, alarms, diagnostics	Status information, alarms, diagnostics	
Status display green LED per channel	Status display	green LED per channel
Interrupts no	Interrupts	no
Process alarm no	Process alarm	no
Diagnostic interrupt no	Diagnostic interrupt	no
Diagnostic functions no	Dis anastis functions	



Diagnostics information read-out	none A YASKAWA COMPA	NY
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	16	
Between channels and backplane bus	yes	
Insulation tested with	DC 500 V	
Datasizes		
Input bytes	0	
Output bytes	4	
Parameter bytes	0	
Diagnostic bytes	0	
Housing		
Material	PPE / PA 6.6	
Mounting	Profile rail 35 mm	
Mechanical data		
Dimensions (WxHxD)	50.8 mm x 76 mm x 88 mm	
Weight	150 g	
Environmental conditions		
Operating temperature	0 °C to 60 °C	
Storage temperature	-25 °C to 70 °C	
Certifications		
UL certification	yes	
KC certification	-	