





Digital output modules

Signal modules digital | Digital output modules

322-1BF01	322-1BH70				
322-1BH01	322-1BL00				
322-1BH41	322-1HH00				
322-1BH60	322-5FF00				

Order number	322-1BF01	322-1BH01	322-1BH41	322-1BH60
Figure				
Type	SM 322	SM 322	SM 322	SM 322
General information				
Note	-	-	-	-
Features	<ul style="list-style-type: none"> ▶ 8 outputs, in groups of 4 ▶ Output current 2 A 	<ul style="list-style-type: none"> ▶ 16 outputs, in groups of 8 ▶ Output current 1 A 	<ul style="list-style-type: none"> ▶ 16 outputs, in groups of 8, ▶ DC 24 V, ▶ Output current 2 A 	<ul style="list-style-type: none"> ▶ 16 outputs ▶ 1 input (activation for outputs) ▶ 16 switches (automatic, manual 0/1) ▶ Output current 0.5 A
SPEED-Bus	-	-	-	-
Current consumption/power loss				
Current consumption from backplane bus	65 mA	110 mA	110 mA	100 mA
Power loss	7.5 W	4 W	4 W	6 W
Technical data digital outputs				
Number of outputs	8	16	16	16
Cable length, shielded	1000 m	1000 m	1000 m	-
Cable length, unshielded	600 m	600 m	600 m	600 m
Rated load voltage	DC 24 V	DC 24 V	DC 24 V	DC 24 V
Current consumption from load voltage L+ (without load)	68 mA	30 mA	30 mA	140 mA
Output current at signal "1", rated value	2 A	1 A	2 A	0.5 A
Output delay of "0" to "1"	150 µs	150 µs	150 µs	max. 100 µs
Output delay of "1" to "0"	100 µs	100 µs	100 µs	max. 500 µs
Minimum load current	-	-	-	-
Lamp load	10 W	5 W	10 W	5 W
Parallel switching of outputs for redundant control of a load	possible (only outputs group)	possible (only outputs group)	possible (only outputs group)	not possible
Parallel switching of outputs for increased power	possible (only outputs group)	possible (only outputs group)	possible (only outputs group)	not possible
Actuation of digital input	✓	✓	✓	✓
Switching frequency with resistive load	max. 1000 Hz	max. 1000 Hz	max. 1000 Hz	max. 1000 Hz
Switching frequency with inductive load	max. 0.5 Hz	max. 0.5 Hz	max. 0.5 Hz	max. 0.5 Hz
Switching frequency on lamp load	max. 1 Hz	max. 1 Hz	max. 1 Hz	max. 10 Hz
Internal limitation of inductive shut-off voltage	L+ (-52 V)	L+ (-52 V)	L+ (-52 V)	L+ (-52 V)
Short-circuit protection of output	yes, electronic	yes, electronic	yes, electronic	yes, electronic
Trigger level	3 A	1.5 A	3 A	1 A
Number of operating cycle of relay outputs	-	-	-	-

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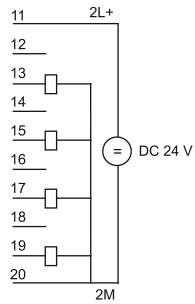
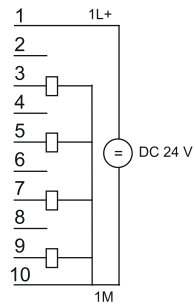
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Switching capacity of contacts	-	-	-	-
Output data size	1 Byte	2 Byte	2 Byte	2 Byte
Status information, alarms, diagnostics				
Status display	green LED per channel	green LED per channel	green LED per channel	green LED per channel
Interrupts	no	no	no	no
Process alarm	no	no	no	no
Diagnostic interrupt	no	no	no	no
Diagnostic functions	no	no	no	no
Diagnostics information read-out	none	none	none	none
Supply voltage display	green LED per group	green LED per group	green LED per group	green LED per group
Group error display	red SF LED	red SF LED	red SF LED	red SF LED
Channel error display	none	none	none	none
Isolation				
Between channels	✓	✓	✓	-
Between channels of groups to	4	8	8	16
Between channels and backplane bus	✓	✓	✓	✓
Insulation tested with	DC 500 V	DC 500 V	DC 500 V	DC 500 V
Mechanical data				
Dimensions (WxHxD)	40 mm x 125 mm x 120 mm	40 mm x 125 mm x 120 mm	40 mm x 125 mm x 120 mm	40 mm x 125 mm x 120 mm
Weight	240 g	230 g	230 g	230 g
Environmental conditions				
Operating temperature	0 °C to 60 °C	0 °C to 60 °C	0 °C to 60 °C	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C
Certifications				
UL508 certification	yes	yes	yes	yes

Connections, Interfaces

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