SIEMENS

Data sheet



LOGO! DM8 12/24R expansion module, PS/I/O: 12, 24V/12V/24V/relay, 2 MW, 4 DI/4 DO for LOGO! 8

Mounting	on 35 mm DIN rail, 2 spacing units wide
ipply voltage	
Rated value (DC)	
• 12 V DC	Yes
• 24 V DC	Yes
permissible range, lower limit (DC)	10.8 V
permissible range, upper limit (DC)	28.8 V
gital inputs	
Number of digital inputs	4
nput voltage	
Type of input voltage	DC
• for signal "0"	< 5 V DC
• for signal "1"	> 8.5 V
nput current	
• for signal "0", max. (permissible quiescent current)	0.88 mA
• for signal "1", typ.	1.5 mA
nput delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	1.5 ms
— at "1" to "0", max.	1.5 ms
gital outputs	
Number of digital outputs	4; Relays
Short-circuit protection	No
Controlling a digital input	Yes
Switching capacity of the outputs	
on lamp load, max.	1 000 W
Output current	
for signal "1" rated value	5 A
for signal "1" minimum load current	100 mA
Parallel switching of two outputs	
for uprating	No
Switching frequency	
with resistive load, max.	2 Hz
with inductive load, max.	0.5 Hz
• mechanical, max.	10 Hz
Relay outputs	
Switching capacity of contacts	
— with inductive load, max.	3 A
— with resistive load, max.	5 A

Emission of radio interference acc. to EN 55 011		
 Limit class B, for use in residential areas 	Yes	
Degree and class of protection		
IP degree of protection	IP20	
Standards, approvals, certificates		
CE mark	Yes	
CSA approval	Yes	
UL approval	Yes	
FM approval	Yes	
developed in accordance with IEC 61131	Yes	
Marine approval	Yes	
Ambient conditions		
Ambient temperature during operation		
• min.	0 °C; ES03 and higher: -20 °C	
• max.	55 °C	
Dimensions		
Width	35.5 mm	
Height	90 mm	
Depth	58 mm	
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