## **SIEMENS**

## **Data sheet**



LOGO! DM16 24R expansion module, PS/I/O: 24 V DC/24 V DC/relay, 8 DI/8 DO, 4 MW for LOGO! 8

Installation type/mounting		
Mounting	on 35 mm DIN rail, 4 spacing units wide	
Supply voltage		
Rated value (DC)		
• 24 V DC	Yes	
permissible range, lower limit (DC)	20.4 V	
permissible range, upper limit (DC)	28.8 V	
Rated value (AC)		
• 24 V AC	No	
Digital inputs		
Number of digital inputs	8	
Input voltage		
Type of input voltage	DC	
• for signal "0"	< 5 V DC	
• for signal "1"	> 12 V DC	
Input current		
<ul><li>for signal "0", max. (permissible quiescent current)</li></ul>	0.85 mA	
● for signal "1", typ.	2 mA	
Input 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	
Digital outputs		
Number of digital outputs	8; Relays	
Short-circuit protection	No	
Controlling a digital input	Yes	
Switching capacity of the outputs		
• on lamp load, max.	1 000 W	
Output current		
<ul><li>for signal "1" rated value</li></ul>	5 A	
for signal "1" minimum load current	100 mA	
Parallel switching of two outputs		
for uprating	No	
Switching frequency		
<ul> <li>with resistive load, max.</li> </ul>	2 Hz	
<ul> <li>with inductive load, max.</li> </ul>	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	
EMC		
Emission of radio interference acc. to EN 55 011		
<ul> <li>Limit class B, for use in residential areas</li> </ul>	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	
according to VDE 0631	Yes	
Marine approval	Yes	
Ambient conditions		
Ambient temperature during operation		
• min.	0 °C; ES03 and higher: -20 °C	
• max.	55 °C	
Dimensions		
Width	71.5 mm	
Height	90 mm	
Depth	58 mm	

3/12/2021

last modified: