## SIEMENS

## Data sheet

## 6ED1055-1NB10-0BA2



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		
<ul> <li>Type of input voltage</li> </ul>	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	
<ul> <li>for signal "1", typ.</li> </ul>	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		
<ul> <li>on lamp load, max.</li> </ul>	1 000 W	
Output current		
<ul> <li>for signal "1" rated value</li> </ul>	5 A	
<ul> <li>for signal "1" minimum load current</li> </ul>	100 mA	
Parallel switching of two outputs		
<ul> <li>for uprating</li> </ul>	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
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