## SIEMENS

## Data sheet

## 6ED1055-1FB00-0BA2



LOGO! DM8 230R expansion module, PS/I/O: 230V/230V/relay, 2 MW, 4 DI/4 DO for LOGO! 8

Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 spacing units wide
Supply voltage	
Rated value (DC)	
• 115 V DC	Yes
• 230 V DC	Yes
permissible range, lower limit (DC)	100 V
permissible range, upper limit (DC)	253 V
Rated value (AC)	
• 115 V AC	Yes
• 230 V AC	Yes
Line frequency	
<ul> <li>permissible range, lower limit</li> </ul>	47 Hz
<ul> <li>permissible range, upper limit</li> </ul>	63 Hz
Digital inputs	
Number of digital inputs	4
Input voltage	
<ul> <li>Type of input voltage</li> </ul>	AC/DC
<ul> <li>for signal "0"</li> </ul>	< 40 V AC, < 30 V DC
<ul> <li>for signal "1"</li> </ul>	> 79 V AC, > 79 V DC
Input current	
<ul> <li>for signal "0", max. (permissible quiescent current)</li> </ul>	0.06 mA; 0.05 mA with AC, 0.06 mA with DC
<ul> <li>for signal "1", typ.</li> </ul>	0.13 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	40 ms
— at "1" to "0", max.	75 ms
Digital outputs	
Number of digital outputs	4; 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; 500 W at 115V AC
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	
for uprating	No
Switching frequency	
• with resistive load, max.	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	35.5 mm	
Height	90 mm	
Depth	58 mm	
last modified:	3/12/2021 🖸	