



SIMATIC DP, electronic module for ET200iSP, 2DO relay UC60V / 2A, Ex eb ib mb IIC T4 Gb, Ex eb ib mb I Mb

Figure similar

General information	
Product type designation	2DQ relay 60 V UC/2 A
Input current	
Current consumption, typ.	100 mA
from load voltage L+ (without load), max.	120 mA
Power loss	
Power loss, typ.	1.1 W
Digital outputs	
Type of digital output	Relays
Number of digital outputs	2
Short-circuit protection	No
Output current	
<ul style="list-style-type: none"> <li>for signal "1" rated value</li> </ul>	2 A
Output delay with resistive load	
<ul style="list-style-type: none"> <li>"0" to "1", max.</li> </ul>	8 ms
<ul style="list-style-type: none"> <li>"1" to "0", max.</li> </ul>	3 ms
Parallel switching of two outputs	
<ul style="list-style-type: none"> <li>for uprating</li> </ul>	No
<ul style="list-style-type: none"> <li>for redundant control of a load</li> </ul>	No
Switching frequency	
<ul style="list-style-type: none"> <li>with resistive load, max.</li> </ul>	0.5 Hz; See data in manual
<ul style="list-style-type: none"> <li>with inductive load, max.</li> </ul>	0.2 Hz; See data in manual
Relay outputs	
Switching capacity of contacts	
<ul style="list-style-type: none"> <li>with resistive load, up to 60 °C, max.</li> </ul>	2 A; See data in manual
<ul style="list-style-type: none"> <li>Thermal continuous current, max.</li> </ul>	2 A; See data in manual
Cable length	
<ul style="list-style-type: none"> <li>shielded, max.</li> </ul>	500 m
<ul style="list-style-type: none"> <li>unshielded, max.</li> </ul>	500 m
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Alarms	
<ul style="list-style-type: none"> <li>Diagnostic alarm</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Hardware interrupt</li> </ul>	No
Diagnoses	
<ul style="list-style-type: none"> <li>Diagnostic information readable</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Wire-break</li> </ul>	No; Cannot be determined in contact power circuit
<ul style="list-style-type: none"> <li>Short-circuit</li> </ul>	No; Cannot be determined in contact power circuit
Diagnostics indication LED	

- Group error SF (red) Yes
- Status indicator digital output (green) Yes; Per channel

#### Ex(i) characteristics

##### maximum values for connecting terminals for gas group IIC

- U<sub>o</sub> (no-load voltage), max. 60 V
- U<sub>m</sub> (voltage at non-intrinsically safe connecting terminals), max. 250 V

#### Potential separation

##### Potential separation digital outputs

- between the channels Yes
- between the channels and backplane bus Yes
- Between the channels and load voltage L+ Yes; Channels and power bus

#### Standards, approvals, certificates

CE mark Yes

##### Highest safety class achievable in safety mode

- SIL acc. to IEC 61508 No

#### Dimensions

Width 30 mm  
 Height 129 mm  
 Depth 136.5 mm

#### Weights

Weight, approx. 255 g

**last modified:** 3/16/2021 