



Figure similar

SIMATIC, electronic module for ET200iSP, 2 DO relay 60 V UC / 2 A, Ex eb ib mb IIC T4 Gb, Ex eb ib mb I Mb

General information	
Product brand name	SIMATIC
Product family	ET 200iSP
Product category	Digital module output
Product type designation	2DQ relay 60 V UC/2 A
HW functional status	3
Firmware version	V1.0.0
CiR - Configuration in RUN	
Reparameterization possible in RUN	Yes
Installation type/mounting	
Rack mounting	No
Front mounting	Yes
Rail mounting	Yes
Wall mounting/direct mounting	No
Supply voltage	
Type of supply voltage	DC
Input current	
Current consumption, typ.	100 mA
from load voltage (power bus), max.	120 mA
Power loss	
Power loss, typ.	1.1 W
Hardware configuration	
Fieldbus connection via separate transceiver	Yes
Digital outputs	
Type of digital output	Relays
Number of digital outputs	2
Short-circuit protection	No
Output voltage	
<ul style="list-style-type: none"> <li>Type of output voltage</li> <li>permissible voltage at output, min.</li> <li>permissible voltage at output, max.</li> </ul>	AC/DC 0 V 72 V
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> <li>"1" to "0", max.</li> </ul>	7 ms 3 ms
Parallel switching of two outputs	
<ul style="list-style-type: none"> <li>for uprating</li> <li>for redundant control of a load</li> </ul>	No No

<b>Switching frequency</b>	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 Hz
<b>Relay outputs</b>	
Switching capacity of contacts	
— with resistive load, up to 60 °C, max.	2 A; See data in manual
— Thermal continuous current, max.	2 A; See data in manual
<b>Cable length</b>	
• shielded, max.	500 m
• unshielded, max.	500 m
<b>Interfaces</b>	
Number of PROFINET interfaces	0
Number of RS 485 interfaces	0
<b>Protocols</b>	
Supports protocol for PROFINET IO	No
PROFIsafe	No
PROFIBUS	No
<b>Interrupts/diagnostics/status information</b>	
Substitute values connectable	Yes
<b>Alarms</b>	
• Diagnostic alarm	Yes; Parameterizable
• Hardware interrupt	No
<b>Diagnoses</b>	
• Diagnostic information readable	Yes
• Wire-break	No; Cannot be determined in contact power circuit
• Short-circuit	No; Cannot be determined in contact power circuit
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes; Per channel
<b>Ex(i) characteristics</b>	
maximum values for connecting terminals for gas group IIC	
• Um (voltage at non-intrinsically safe connecting terminals), max.	250 V; DC/AC
<b>Potential separation</b>	
between the channels and backplane bus	Yes
between channels and powerbus	Yes
<b>Potential separation digital outputs</b>	
• between the channels	Yes
<b>Permissible potential difference</b>	
between different circuits	60 V DC/30 V AC
<b>Degree and class of protection</b>	
IP degree of protection	IP30
<b>Standards, approvals, certificates</b>	
CE mark	CE 0344
UKCA mark	DEKRA 21UKEX0025 Importer UK: Siemens plc Manchester M20 2UR
cULus	LISTED E334384
FM approval	CLASSIFIED 3025852
Suitable for safety functions	No
INMETRO certificate	UL-BR 12.0078
reference designation according to IEC 81346-2 (2009)	K
<b>Highest safety class achievable in safety mode</b>	
• SIL acc. to IEC 61508	No
<b>Use in hazardous areas</b>	
• ATEX marking	II 2 G and I M2 Ex eb ib mb IIC T4 Gb Ex eb ib mb I Mb
• ATEX certificate	KEMA 07 ATEX 0108
• IECEx	IECEx KEM 07.0059
• CCC Ex	2020322310002636
• EAC Ex	PII Ex e ib mb I Mc IEx e ib mb IIC T4 Gb
• FM marking	Class I, Zone 1 AEx e ib m IIC T4 Ex e ib m IIC T4 NI, Class I, DIV.2, GP. A,B,C,D T4 Class II, III, GP. E,F,G
• Explosion protection category for gas	ATEX gas explosion protection, Zone 1

- Explosion protection category for dust

ATEX dust explosion protection, Zone 21 always install in corresponding enclosure

- associated equipment (Ex ia)

No

- associated equipment (Ex ib)

No

**Marine approval**

- Germanischer Lloyd (GL)

Yes

- American Bureau of Shipping (ABS)

Yes

- Bureau Veritas (BV)

Yes

- Det Norske Veritas (DNV)

Yes

**connection method**

Design of electrical connection

Screw/spring-type terminal

**Dimensions**

Width

30 mm

Height

129 mm

Depth

136.5 mm

**Weights**

Weight, approx.

255 g

**Classifications**

	Version	Classification
eClass	14	27-24-26-04
eClass	12	27-24-26-04
eClass	9.1	27-24-26-04
eClass	9	27-24-26-04
eClass	8	27-24-26-04
eClass	7.1	27-24-26-04
eClass	6	27-24-26-04
ETIM	10	EC001599
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599
IDEA	4	3566
UNSPSC	15	32-15-17-05

**Approvals / Certificates**

**General Product Approval**



[Miscellaneous](#)

[China RoHS](#)

[KC](#)



**For use in hazardous locations**



[Miscellaneous](#)



**For use in hazardous locations**

**Maritime application**

**Environment**



last modified:

7/3/2025