

SIEMENS

Product data sheet

6ES7132-4BD32-0AA0


SIMATIC DP,
5 ELECTRON. MODULES FOR ET 200S,
4 DO STANDARD DC 24V/2A,
15 MM WIDTH 5 PIECES PER PACKAGING UNIT

Supply voltage	
Power supply / Input / Input voltage	
Reverse voltage protection	Yes ; When using the same load voltage as
Load voltage L+	
Rated value (DC)	24 V ; From power module
Reverse polarity protection	Yes
Power supply / Input / Input current	
from load voltage L+ (without load), max.	10 mA ; Per channel
from backplane bus 3.3 V DC, max.	10 mA
Power losses	
Power loss, typ.	1.6 W
Address area	
Address space per module	
with packing	4 bit
without packing	1 byte

Digital outputs	
Number of digital outputs	4
Short-circuit protection	Yes ; Per channel
Response threshold, typ.	2.8 to 7.2 A
Limitation of inductive shutdown voltage to	Typ. L+ (-55 to -60 V)
Lamp load, max.	10 W
Controlling a digital input	Yes
Output voltage	
for signal "1", min.	L+ (-1.0 V)
Output current	
for signal "1" rated value	2 A
for signal "1" permissible range for 0 to 60 °C, min.	7 mA
for signal "1" permissible range for 0 to 60 °C, max.	2.4 A
for signal "0" residual current, max.	0.5 mA
Output delay with resistive load	
0 to "1", max.	50 µs ; Typically 45µs
1 to "0", max.	120 µs ; Typically 90µs
Parallel switching of 2 outputs	
for increased power	No
for redundant control of a load	Yes ; Per module
Switching frequency	
with resistive load, max.	1000 Hz
with inductive load, max.	2 Hz ; At 0.5H
on lamp load, max.	10 Hz
Aggregate current of outputs (per group)	
up to 60 °C, max.	4 A
vertical installation	
up to 40 °C, max.	4 A ; At 55°C and 24VDC
Load resistance range	
lower limit	12 Ω
upper limit	3400 Ω
Cable length	
Cable length, shielded, max.	1000 m

Cable length unshielded, max.	600 m
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic functions	No
Diagnostics indication LED	
Status indicator digital output (green)	Yes
Isochronous mode	
Isochronous mode	Yes
Parameter	
Remark	1 byte
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels	No
between the channels and the backplane bus	Yes
Isolation	
Isolation checked with	500 VDC
Dimensions and weight	
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weight	
Weight, approx.	40 g
Status	May 16, 2011