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SIEMENS

Product data sheet 6ES7132-4BD02-0AA0



SIMATIC DP,
5 ELECTRON. MODULES FOR ET 200S,
4 DO STANDARD DC 24V/0.5A, 15 MM WIDTH,
5 PIECES PER PACKAGING UNIT

-

Supply voltage	
Reverse voltage protection	Yes ; when using the same load voltage as on the power module
Load voltage L+	
Rated value (DC)	24 V ; From power module
Reverse polarity protection	Yes ; polarity reversal can lead to the digital outputs being connected through
Input current	
from load voltage L+ (without load), max.	10 mA ; Per channel
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	0.8 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
Response threshold, typ.	1 to 1.5 A

subject to modifications
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Limitation of inductive shutdown voltage to	(L+) -55 to -60 V
Controlling a digital input	Yes
Switching capacity of the outputs	
Lamp load, max.	5 W
Load resistance range	
lower limit	48 Ω
upper limit	3400 Ω
Output voltage	
for signal "1", min.	L+ (-1 V)
Output current	
for signal "1" rated value	0.5 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.	600 mA
for signal "0" residual current, max.	0.3 mA
Output delay with resistive load	
"0" to "1", max.	45 µs ; Typical value
"1" to "0", max.	90 µs ; Typical value
Parallel switching of 2 outputs	
for uprating	No
for redundant control of a load	Yes ; per module
Switching frequency	
with resistive load, max.	800 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
Total current of the outputs (per group)	
all mounting positions	
up to 60 °C, max.	2 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Isochronous mode	
Isochronous mode (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Diagnostic messages	
Diagnostic functions	No
Diagnostics indication LED	
Status indicator digital output (green)	Yes
Parameter	

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Remark	1 byte
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels	No
between the channels and the backplane bus	Yes
Isolation	
Isolation tested with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	40 g
Status	Jul 28, 2014

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