SIEMENS

Product data sheet 6ES7143-4BF50-0AA0

SIMATIC DP,
ELECTRONIC MODULES FOR ET200PRO 4 DI / 4 DO DC 24V,
0.5A MODULE DIAGNOSTICS;
INCLUSIVE BUS MODULE,
CONNECTING MODULE IO 6ES7194-4..00-0AA0 MUST BE ORDERED SEPERATELY

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Supply voltage	
24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Load voltage 2L+	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Input current	
from load voltage 2L+, max.	20 mA
Encoder supply	
Number of outputs	4
Output current	
Output current, rated value	1 A ; per module, electronic
24 V encoder supply	
Short-circuit protection	Yes ; per module, electronic

Power loss	
Power loss, typ.	2 W
Digital inputs	
Number of digital inputs	4
Input characteristic curve in accordance with IEC 61131, type 3	Yes
Input voltage	
Type of input voltage	DC
Rated value, DC	24 V
Input current	
for signal "0", max. (permissible quiescent current)	1.5 mA
for signal "1", typ.	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
at "0" to "1", max.	3 ms
at "1" to "0", max.	3 ms
Cable length	
Cable length unshielded, max.	30 m
Digital outputs	
Number of digital outputs	4
Short-circuit protection	Yes ; per channel, electronic
Response threshold, typ.	0,7 A
Limitation of inductive shutdown voltage to	Typ. (2L+) -47 V
Controlling a digital input	Yes
Switching capacity of the outputs	
on lamp load, max.	5 W
Output current	
for signal "1" rated value	0.5 A
for signal "0" residual current, max.	0.5 mA
Parallel switching of 2 outputs	
for uprating	No
for redundant control of a load	Yes
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	1 Hz
Total current of the outputs (per group)	
all mounting positions	

up to 55 °C, max.	2 A
Cable length	
Cable length unshielded, max.	30 m
Interrupts/diagnostics/status information	
Status indicator	Yes ; Green LED
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostic information readable	Yes
Short-circuit	Yes ; Short-circuit of outputs to ground; module by module
Short-circuit encoder supply	Yes ; per module
Group error	Yes
Galvanic isolation	
between the load voltages	Yes
between load voltage and all other switching components	Yes
Galvanic isolation digital inputs	
between the channels	No
Permissible potential difference	
between different circuits	75 VDC / 60 VAC
Isolation	
tested with	
24 V DC circuits	500 V
Dimensions	
Width	45 mm
Height	130 mm
Depth	35 mm
Weights	
Weight (without packaging)	140 g
Status	Jul 21, 2014