

SIEMENS

Product data sheet

6ES7131-4BF50-0AA0


SIMATIC DP,
1 ELECTRON. MODULE FOR ET 200S,
8 DI SOURCE INPUT 24V DC, 15 MM WIDTH,
1 PIECE PER PACKAGING UNIT

Supply voltage	
24 V DC	Yes ; From power module
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Input current	
from supply voltage L+, max.	Dependent on encoder
Power losses	
Power loss, typ.	1.2 W
Digital inputs	
Number/binary inputs	8
Input characteristic curve acc. to IEC 61131, Type 1	Yes
Input voltage	
Type of input voltage	DC
Rated value, DC	24 V

for signal "0"	30 to -5 V
for signal "1"	-15 to -30 V
Input current	
for signal "1", typ.	6 mA ; at 24 V
Input delay (for rated value of input voltage)	
for standard inputs	
Parameterizable	No
at "0" to "1", min.	2 ms
at "0" to "1", max.	4.5 ms
at "1" to "0", min.	2 ms
at "1" to "0", max.	4.5 ms
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Encoder	
Connectable encoders	
2-wire sensor	Yes
Permissible quiescent current (2-wire sensor), max.	1.5 mA
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Diagnostic messages	
Diagnostic functions	No
Diagnostics indication LED	
Group error SF (red)	No
Status indicator digital input (green)	Yes ; per channel
Galvanic isolation	
Galvanic isolation digital inputs	
between the channels	No
between the channels and the backplane bus	Yes
Permissible potential difference	
between different circuits	75 VDC / 60 VAC

Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weight	
Weight, approx.	35 g
Status	Jul 17, 2012