

SIEMENS

Product data sheet

6ES7131-4BF00-0AA0


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

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
Input current	
from backplane bus 3.3 V DC, max.	10 mA
from supply voltage L+, max.	Dependent on encoder
Encoder supply	
Number of outputs	0 ; no encoder supply
Power losses	
Power loss, typ.	1.2 W
Address area	
Address space per module	
without packing	1 byte

Digital inputs	
Number/binary inputs	8
Input characteristic curve acc. to IEC 61131, Type 1	Yes ; 2-wire sensors connectable
Number of simultaneously controllable inputs	8
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.	5 mA
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 ; TWE = 3000 us
Interrupts/diagnostics/status information	
Diagnostic messages	
Diagnostic functions	No
Diagnostics indication LED	
Status indicator digital input (green)	Yes

Parameter	
Remark	3-byte parameter (not accessible for the user)
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