

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	
Power supply / Input / Input 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
Power supply / Input / 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 of digital inputs	8
Number of simultaneously controllable inputs	8
Input characteristic curve acc. to IEC 1131, Type 1	Yes ; 2-wire sensors connectable
Input voltage	
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 BEROS	Yes
permissible quiescent current (2-wire BEROS), max.	1.5 mA
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic functions	No
Diagnostics indication LED	
Status indicator digital input (green)	Yes
Isochronous mode	
Isochronous mode	Yes ; TWE = 3000 us
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 VDC
Dimensions and weight	
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weight	
Weight, approx.	35 g
Status	May 16, 2011