



SIMATIC DP,
ELECTRON. MODULE F. ET200S,
4/8 F-DI PROFISAFE, 24V DC,
30 MM WIDTH UP TO PL E (ISO13849),
UP TO SIL3 (IEC 61508),
ALSO USEABLE IN PROFINET- NETWORK WITH IM151-3
HF

Supply voltage	
24 V DC	Yes
permissible range, lower limit (DC)	20.4V
permissible range, upper limit (DC)	28.8V
Encoder supply	
Number of outputs	2
Output voltage	min. L+ (-1.5 V)
short-circuit protection	Yes ; Electronic (response threshold 0.7 A to 1.8 A)
Output current	
Output current, rated value	300mA
Output current, permissible range	0 to 300 mA
Address area	
Occupied address area	
Inputs	6byte
Outputs	4byte
Digital inputs	
Number of digital inputs	8 ; 8 (one-channel); 4 (two-channel)
Input characteristic curve in accordance with IEC 61131, type 1	Yes

Number of simultaneously controllable inputs	8
Input voltage	
Rated value, DC	24V
Input current	
for signal "1", typ.	3.7mA
Input delay (for rated value of input voltage)	
for standard inputs	
Parameterizable	Yes
at "0" to "1", min.	0.3ms
at "0" to "1", max.	17ms
at "1" to "0", min.	0.3ms
at "1" to "0", max.	17ms
Cable length	
Cable length, shielded, max.	500m
Cable length unshielded, max.	500m
Encoder	
Connectable encoders	
2-wire sensor	No
Permissible quiescent current (2-wire sensor), max.	0.6mA ; max.
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostic information readable	Yes
Short circuit	Yes
Diagnostics indication LED	
Group error SF (red)	Yes
Status indicator digital input (green)	Yes
Galvanic isolation	
Galvanic isolation digital inputs	
between the channels	No
between the channels and the backplane bus	Yes
between the channels and the load voltage L+	No
Standards, approvals, certificates	
Highest safety class achievable in safety mode	
acc. to IEC 61508	SIL 2 (single-channel), SIL 3 (two-channel)
Dimensions	

Width	30mm
Height	81mm
Depth	52mm
Weights	
Weight, approx.	78g
Status	Jun 16, 2014

