

SIEMENS

Product data sheet

6ES7132-7RD01-0AB0



SIMATIC DP,
ELECTRONIC SUBMODULE FOR ET 200ISP,
4 DO, DC 23,1V/20mA, "H"-SHUT DOWN

Input current	
from load voltage L+ (without load), max.	340 mA ; with actuator supply
from backplane bus 3.3 V DC, max.	10 mA
Power losses	
Power loss, typ.	2.5 W
Address area	
Address space per module	
without packing	2 byte
Digital outputs	
Number/binary outputs	4 ; additionally 1 intrinsically-safe input for H shutdown
Functionality/short-circuit strength	Yes ; Ex i function
No-load voltage U _{ao} (DC)	23.1 V
Internal resistor R _i	275 Ω
Trend key points E	
Voltage U _e (DC)	17.1 V

Current I _e	20 mA
Output current	
for signal "1" rated value	0.02 A
Output delay with resistive load	
"0" to "1", max.	2 ms
"1" to "0", max.	1.5 ms
Parallel switching of 2 outputs	
for increased power	No ; for Ex reasons not possible; nor for predecessor
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
Cable length	
Cable length, shielded, max.	500 m
Cable length unshielded, max.	500 m
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostic information readable	Yes
Wire break	Yes ; R > 10 kohms, I < 100 µA
Short circuit	Yes ; R < 800 ohms (one output), R < 40 ohms (outputs connected in parallel)
Diagnostics indication LED	
Group error SF (red)	Yes
Status indicator digital output (green)	Yes
Parameter	
Diagnosis: wire break	Yes
Diagnosis: short circuit	Yes
Behavior on CPU/Master STOP, channel-wise	Yes
Ex(i) characteristics	
Max. values of output circuits (per channel)	
T _a (permissible ambient temperature), max.	70 °C
Standards, approvals, certificates	

CE mark	Yes
Use in hazardous areas	
Type of protection acc. to EN 50020 (CENELEC)	II2 G (1) GD Ex ib[ia] IIC T4 and I M2 Ex ib[ia] I
Type of protection acc. to KEMA	Not relevant
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Weight	
Weight, approx.	255 g
Status	Jul 17, 2012