

SIEMENS

Product data sheet

6ES7132-7RD22-0AB0


SIMATIC DP,
ELECT. SUBMODULE FOR ET 200ISP, 4 DO,
DC 17.4V/40MA, "H"-SHUT DOWN

Input current	
from load voltage L+ (without load), max.	2.8 mA
Power losses	
Power loss, typ.	2.8 W
Address area	
Address space per module	
without packing	2 byte
Digital inputs	
Cable length	
Cable length, shielded, max.	20 m
Cable length unshielded, max.	20 m
Digital outputs	
Number/binary outputs	4 ; additionally 1 intrinsically-safe input for H shutdown
Functionality/short-circuit strength	Yes
No-load voltage U _{ao} (DC)	17.4 V

Internal resistor Ri	167 Ω
Trend key points E	
Voltage Ue (DC)	10.7 V
Current Ie	40 mA ; 80 mA when outputs connected in parallel
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	Yes
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	
Status indicator	Yes
Substitute values connectable	Yes
Alarms	
Alarms	No
Diagnostic alarm	Yes ; Parameterizable
Diagnostic messages	
Diagnostic information readable	Yes
Wire break	Yes ; $R > 10 \text{ kohms}$, $I < 100 \mu\text{A}$
Short circuit	Yes ; $R < 80 \text{ Ohm}$ (one output), $R < 40 \text{ Ohm}$ (outputs connected in parallel)
Diagnostics indication LED	
Group error SF (red)	Yes
Status indicator digital output (green)	Yes ; Per channel
Parameter	
Diagnosis: wire break	Yes
Diagnosis: short circuit	Yes
Behavior on CPU/Master STOP, channel-wise	Substitute a value/keep last value
Ex(i) characteristics	

Max. values of output circuits (per channel)	
Co (permissible external capacity), max.	241 nF ; For IIC, 1507 nF for IIB
Io (short-circuit current), max.	118 mA
Lo (permissible external inductivity), max.	1.7 mH ; For IIC, 10.4 mH for IIB
Po (power of load), max.	572 mW
Uo (output no-load voltage), max.	19.4 V
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels	No
between the channels and the backplane bus	Yes
between the channels and the load voltage L+	Yes
Permissible potential difference	
between different circuits	60V DC/30V AC
Standards, approvals, certificates	
CE mark	Yes
Use in hazardous areas	
Type of protection acc. to KEMA	04 ATEX 1249
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Weight	
Weight, approx.	255 g
Status	Jul 17, 2012