

SIEMENS

Product data sheet

6ES7132-7GD30-0AB0


SIMATIC DP,
ELECT. SUBMODULE FOR ET 200ISP, 4 DO,
DC 25.5V/22MA, "L"-SHUT DOWN

Input current	
from load voltage L+ (without load), max.	400 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 L shutdown
Functionality/short-circuit strength	Yes
No-load voltage U _{ao} (DC)	25.5 V

Internal resistor Ri	260 Ω
Trend key points E	
Voltage Ue (DC)	19.8 V
Current Ie	22 mA
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
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	
Diagnostic alarm	Yes ; Parameterizable
Diagnostic messages	
Diagnostic information readable	Yes
Wire break	Yes ; R > 10 kohms, I < 100 μA
Short circuit	Yes ; R < 80 ohms
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.	81 nF ; For IIC, 651 nF for IIB
Io (short-circuit current), max.	110 mA
Lo (permissible external inductivity), max.	1.7 mH ; For IIC, 11.5 mH for IIB
Po (power of load), max.	764 mW
Uo (output no-load voltage), max.	27.9 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 EN 50020 (CENELEC)	II 2 G (1) GD and I M2 Ex ib[ia][iaD] IIC T4; Ex ib [ia] I
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