SIEMENS

Product data sheet

6ES7522-1BL10-0AA0



SIMATIC S7-1500, DIGITAL OUTPUT MODULE, DQ 32 X 24VDC/0.5A; 32 CHANNELS IN GROUPS OF 8, 4 A PER GROUP; INCL. FRONT CONNECTOR PUSH-IN

General information	
Hardware product version	E01
Firmware version	V1.0.0
Product function	
I&M data	Yes
Engineering with	
STEP 7 TIA Portal can be configured/integrated as of version	V13 / V13
STEP 7 can be configured/integrated as of version	V5.5 SP3 / -
PROFINET as of GSD version/GSD revision	V2.3 / -
Operating mode	
MSO	Yes
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes ; through internal protection with 7 A per group
Input current	
Current consumption, max.	60 A

Power	
Power available from the backplane bus	1.15 W
Power losses	
Power loss, typ.	3.8 W
Digital outputs	
Number of digital outputs	32
Current-sourcing	Yes
Short-circuit protection	Yes
Response threshold, typ.	1 A
Limitation of inductive shutdown voltage to	L+ (-53 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
with resistive load, max.	0.5 A
on lamp load, max.	5 W
Load resistance range	
lower limit	48 Ω
upper limit	12 kΩ
Output voltage	<u></u>
for signal "1", min.	L+ (-0.8 V)
Output current	
for signal "1" rated value	0.5 A
for signal "1" permissible range, max.	0.5 A
for signal "0" residual current, max.	0.5 mA
Output delay with resistive load	
"0" to "1", max.	100 µs
"1" to "0", max.	500 µs
Parallel switching of 2 outputs	
for logic links	Yes
for increased power	No
for redundant control of a load	Yes
Switching frequency	<u></u>
with resistive load, max.	100 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	10 Hz
Aggregate current of the outputs	
Max. current per channel	0.5 A ; see additional description in the manual
Max. current per group	4 A ; see additional description in the manual
Max. current per module	16 A ; see additional description in the manual

Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Interrupts/diagnostics/status information	
Substitute values connectable	No
Alarms	
Diagnostic alarm	No
Diagnostic messages	
Diagnostics	No
Diagnostics indication LED	
RUN LED	Yes ; Green LED
ERROR LED	Yes ; Red LED
MAINT LED	No
Monitoring the supply voltage (PWR-LED)	Yes ; Green LED
Channel status display	Yes ; Green LED
Galvanic isolation	
Electrical isolation channels	
between the channels	No
between the channels, in groups of	8
between the channels and the backplane bus	Yes
Decentralized operation	
Prioritized startup	Yes
Dimensions	
Width	25 mm
Height	147 mm
Depth	129 mm
Weights	
·	280 g