SIEMENS

SIPLUS S7-1500,
DIGITAL OUTPUT MODULE DQ 8 X 230VAC,2A,TRIAC;
8 CHANNELS IN GROUPS OF 1,
2A PER GROUP;
SUBSTITUTE VALUE -40 ... +70 DEGREE C WITH
CONFORMAL COATING BASED ON 6ES7522-5FF00-0AB0

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General information	
Product function	
I&M data	Yes ; I&M0 to I&M3
Output voltage	
Rated value (AC)	120/230 V AC; 50/60 Hz
Power	
Power available from the backplane bus	0.9 W
Power losses	
Power loss, typ.	10.8 W
Digital outputs	
Number of digital outputs	8 ; > +60 °C number of simultaneously controllable outputs max. 8x 0.25 A, max. total current 2 A
Switching capacity of the outputs	
with resistive load, max.	2 A
on lamp load, max.	50 W
Output voltage	
for signal "1", min.	L1 (-1.5 V) at maximum output current; L1 (-8.5 V) at minimum output current
Output current	

for signal "1" rated value	2 A
for signal "1" permissible range, min.	10 mA
for signal "1" permissible range, max.	15 A ; max. 1 AC cycle
for signal "0" residual current, max.	2 mA
Output delay with resistive load	
"0" to "1", max.	1 AC cycle
"1" to "0", max.	1 AC cycle
Parallel switching of 2 outputs	
for logic links	No
for increased power	No
for redundant control of a load	Yes
Switching frequency	
with resistive load, max.	10 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	1 Hz
Aggregate current of the outputs	
Max. current per channel	2 A ; = Tmax; > +60 °C number of simultaneously controllable outputs max. 8x 0.25 A, max. total current per group 2 A
Max. current per group	2 A ; = Tmax; > +60 °C number of simultaneously controllable outputs max. 8x 0.25 A, max. total current per group 2 A
Max. current per module	10 A ; = Tmax; > +60 °C number of simultaneously controllable outputs max. 8x 0.25 A, max. total current per group 2 A
Relay outputs	
Size of motor starters according to NEMA, max.	5
Triac outputs	
Size of motor starters according to NEMA, max.	5
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	No
Diagnostic messages	
Diagnostics	No
Monitoring the supply voltage	No
Wire break	No

Short circuit	No
Fuse blown	No
Diagnostics indication LED	
RUN LED	Yes ; Green LED
ERROR LED	Yes ; Red LED
Monitoring the supply voltage (PWR-LED)	No
Channel status display	Yes ; Green LED
for channel diagnostics	No
for module diagnostics	Yes ; Red LED
Galvanic isolation	
Electrical isolation channels	
between the channels	Yes
between the channels, in groups of	1
between the channels and the backplane bus	Yes
between the channels and the load voltage L1	Yes
Ambient conditions	
Operating temperature	
horizontal installation, min.	-40 °C
horizontal installation, max.	70 °C
vertical installation, min.	-40 °C
vertical installation, max.	40 °C
Extended ambient conditions	
Relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m)
Relative humidity	
With condensation, tested in accordance with IEC 60068 -2-38, maximum	100 % ; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
to biologically active substances/conformity with EN 60721-3-3	Yes ; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!
to chemically active substances/conformity with EN 60721-3-3	Yes ; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
to mechanically active substances/conformity with EN 60721-3-3	Yes ; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Decentralized operation	
Supports fast startup	Yes ; 500 ms
Dimensions	
Width	35 mm
Height	147 mm

Depth	129 mm
Weights	
Weight, approx.	290 g
Status	May 23, 2014