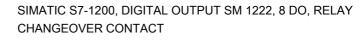
SIEMENS

Data sheet

6ES7222-1XF32-0XB0





Supply voltage	
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
from backplane bus 5 V DC, max.	140 mA
Digital inputs	
• from load voltage L+ (without load), max.	16.7 mA/relay coil
Power losses	
Power loss, typ.	5 W
Digital inputs	
Number of digital inputs	0
Digital outputs	
Digital outputs Number of digital outputs	8
	8
Number of digital outputs	
Number of digital outputs In groups of	1
Number of digital outputs In groups of short-circuit protection	1
Number of digital outputs In groups of short-circuit protection Switching capacity of the outputs	1 No; to be provided externally
Number of digital outputs In groups of short-circuit protection Switching capacity of the outputs with resistive load, max.	No; to be provided externally
Number of digital outputs In groups of short-circuit protection Switching capacity of the outputs with resistive load, max. on lamp load, max.	No; to be provided externally
Number of digital outputs In groups of short-circuit protection Switching capacity of the outputs with resistive load, max. on lamp load, max. Output voltage	No; to be provided externally 2 A 30 W with DC, 200 W with AC
Number of digital outputs In groups of short-circuit protection Switching capacity of the outputs with resistive load, max. on lamp load, max. Output voltage Rated value (AC)	No; to be provided externally 2 A 30 W with DC, 200 W with AC 5 V AC to 250 V AC

Output delay with resistive load	
• "0" to "1", max.	10 ms
• "1" to "0", max.	10 ms
Aggregate current of outputs (per group)	10 1110
horizontal installation	
— up to 50 °C, max.	2 A; Current per mass
— up to 50 °C, max. Relay outputs	2 A, Outrett per mass
Number of relay outputs	8
	24 V
Rated input voltage of relay coil L+ (DC)	
Number of operating cycles, max.	mechanically 10 million, at rated load voltage 100,000
Switching capacity of contacts	
— with inductive load, max.	2 A
— on lamp load, max.	30 W with DC, 200 W with AC
— with resistive load, max.	2 A
Cable length	
• shielded, max.	500 m
• Unshielded, max.	150 m
Interrupts/diagnostics/status information	
Alarms	
Alarms	Yes
Diagnostic alarm	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostics indication LED	
For status of the outputs	Yes
• for maintenance	Yes
 Status indicator digital output (green) 	Yes
Galvanic isolation digital outputs	
• between the channels	Relays
 between the channels, in groups of 	1
• between the channels and the backplane bus	1500 V AC for 1 minute
Permissible potential difference	
between different circuits	750 V AC for 1 minute
Degree and class of protection	
Degree of protection to EN 60529	
• IP20	Yes
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes

cULus	Yes
RCM (formerly C-TICK)	Yes
FM approval	Yes
Marine approval	
Marine approval	Yes
Auchient conditions	
Ambient conditions Free fall	
	0.3 m; five times, in dispatch package
Drop height, max. (in packaging) Applicate to a parallel and a packaging.)	0.5 III, live tililes, ili dispatcii package
Ambient temperature in operation	00.001 .00.001
Permissible temperature range	-20 °C to +60 °C horizontal mounting, -20 °C to 50 °C vertical mounting, 95% humidity, non-condensing
• Min.	-20 °C
• max.	60 °C; Number of simultaneously activated outputs: 4 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 at 55 °C horizontal
	or 45 °C vertical
Permissible temperature change	5°C to 55°C, 3°C / minute
Storage/transport temperature	·
• Min.	-40 °C
• max.	70 °C
Air pressure acc. to IEC 60068-2-13	70 0
Storage/transport, min.	660 hPa
	1 080 hPa
Storage/transport, max. Poleting by maiding	1 000 11F4
Relative humidity	OF 0/
 Permissible range (without condensation) at 25 °C 	95 %
C	
Connection method	
required front connector	Yes
Mechanics/material	
Type of housing (front)	
• plastic	Yes
Dimensions	
Width	45 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	310 g
last modified:	12.03.2015