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Data sheet 6ES7222-1EF22-0XA0



Figure similar

*** spare part *** SIMATIC S7-200, digital output EM 222, isolated 8 DQ, 120/230 V AC, 0.5 A

Supply voltage	
Load voltage L1	
● Rated value (AC)	230 V; 220/230 V AC
● permissible range, lower limit (AC)	65 V
● permissible range, upper limit (AC)	264 V
● permissible frequency range, lower limit	47 Hz
● permissible frequency range, upper limit	63 Hz
Input current	
from backplane bus 5 V DC, max.	110 mA
Power loss	
Power loss, typ.	4 W
Digital outputs	
Number of digital outputs	8
Short-circuit protection	No
Limitation of inductive shutdown voltage to	to be provided externally (see manual package "Setting up an S7-200")
Output voltage	
● for signal "1", min.	L1 (-0.9 V)
Output current	
● for signal "1" rated value	0.5 A
● for signal "1" permissible range for 0 to 55 °C, max.	500 mA; AC
● for signal "1" minimum load current	50 mA
● for signal "0" residual current, max.	1.8 mA; At 264 V AC
Total current of the outputs (per group)	
all mounting positions	
— up to 40 °C, max.	0.5 A
— Current per conductor/group, max.	0.5 A
horizontal installation	
— up to 55 °C, max.	0.5 A
Relay outputs	
Switching capacity of contacts	
— with inductive load, max.	0.5 A
— on lamp load, max.	60 W
— with resistive load, max.	0.5 A
Cable length	
● shielded, max.	500 m
● unshielded, max.	150 m
Potential separation	
Potential separation digital outputs	

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● Potential separation digital outputs	Yes; Optocoupler
● between the channels, in groups of	1; 8 groups
Connection method	
Plug-in I/O terminals	Yes
Dimensions	
Width	71.2 mm
Height	80 mm
Depth	62 mm
Weights	
Weight, approx.	170 g
Classifications	

	Version	Classification
eClass	16	27-24-22-04
eClass	14	27-24-22-04
eClass	12	27-24-22-04
eClass	9.1	27-24-22-04
eClass	9	27-24-22-04
eClass	8	27-24-22-04
eClass	7.1	27-24-22-04
eClass	6	27-24-22-04
ETIM	10	EC001419
ETIM	9	EC001419
ETIM	8	EC001419
ETIM	7	EC001419
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

EG-Konf.	Miscellaneous	Manufacturer Declaration	EAC	China RoHS	Manufacturer Declaration

For use in hazardous locations	Maritime application				
FM	ABS	BUREAU VERITAS	DNV	GL	LRS

Maritime application

RMRS	CCS (China Classification Society)

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