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Data sheet 6ES7222-1BF22-0XA0



Figure similar

Spare part SIMATIC S7-200, Digital output EM 222, only for S7-22X CPU, 8 DO, 24 V DC

Supply voltage	
Load voltage L+	
● Rated value (DC)	24 V
● 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.	50 mA
Power loss	
Power loss, typ.	2 W
Digital outputs	
Number of digital outputs	8
Short-circuit protection	No
Limitation of inductive shutdown voltage to	L+ (-48 V)
Output voltage	
● for signal "1", min.	20 V
Output current	
● for signal "1" rated value	0.75 A
● for signal "1" permissible range for 0 to 55 °C, max.	750 mA
● for signal "0" residual current, max.	10 µA
Parallel switching of two outputs	
● for uprating	Yes
Total current of the outputs (per group)	
all mounting positions	
— up to 40 °C, max.	3 A
— Current per conductor/group, max.	3 A
horizontal installation	
— up to 55 °C, max.	3 A
Relay outputs	
Switching capacity of contacts	
— with inductive load, max.	0.75 A
— on lamp load, max.	5 W
— with resistive load, max.	0.75 A
Cable length	
● shielded, max.	500 m
● unshielded, max.	150 m
Potential separation	
Potential separation digital outputs	
● Potential separation digital outputs	Yes; Optocoupler

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● between the channels, in groups of	4
Isolation	
Isolation tested with	500 V AC
Connection method	
Plug-in I/O terminals	Yes
Dimensions	
Width	45 mm
Height	80 mm
Depth	62 mm
Weights	
Weight, approx.	150 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

Miscellaneous | Manufacturer Declaration | China RoHS | Manufacturer Declaration

For use in hazardous locations

ATEX | FM

Maritime application

ABS | BUREAU VERITAS | DNV | GL

Maritime application

LRS | RMRS | CCS (China Classification Society)

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