

Technical specifications EM 222 (continued)

	6ES7 222-1HD22-0XA0	6ES7 222-1HF22-0XA0	6ES7 222-1EF22-0XA0
Output current			
• for signal "1" permissible range for 0 to 55 °C, max.	10 A	2 A	500 mA; AC
• for signal "1" minimum load current			50 mA
• for signal "0" residual current, max.	0 mA	0 mA	1.8 mA; at 264 V AC
Aggregate current of outputs (per group)			
• Horizontal installation			
- up to 55 °C, max.	20 A	8 A	0.5 A
• Up to 40 °C, max.	40 A	8 A	0.5 A
• Maximum current per conductor/group	10 A	8 A	0.5 A
Cable length			
• Cable length, shielded, max.	500 m	500 m	500 m
• Cable length unshielded, max.	150 m	150 m	150 m
Relay outputs			
Number of operating cycles	30 000 000; mechanically 30 million, at rated load voltage 30,000	10 000 000; mechanically 10 million, at rated load voltage 100,000	
Switching capacity of contacts			
• with inductive load, max.	3 A; 2 A (DC), 3 A (AC)	2 A	0.5 A
• on lamp load, max.	1 000 W; 100/1000 W (DC/AC)	200 W; 30 W DC; 200 W AC	60 W
• with resistive load, max.	10 A	2 A	0.5 A
Galvanic isolation			
Galvanic isolation digital outputs			
• Galvanic isolation digital outputs	Yes; Relay	Yes; Relay	Yes; Optocoupler
• Between the channels, in groups of	1; 4 groups	4	1; 8 groups
Dimensions and weight			
Dimensions			
• Width	45 mm	45 mm	71.2 mm
• Height	80 mm	80 mm	80 mm
• Depth	62 mm	62 mm	62 mm
Weight			
• Weight, approx.	150 g	170 g	170 g

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	6ES7 223-1BF22-0XA0	6ES7 223-1BH22-0XA0	6ES7 223-1BL22-0XA0	6ES7 223-1BM22-0XA0
Supply voltages				
Load voltage L+				
• Rated value (DC)	24 V	24 V	24 V	24 V
• Permissible range, lower limit (DC)	20.4 V	20.4 V	20.4 V	20.4 V
• Permissible range, upper limit (DC)	28.8 V	28.8 V	28.8 V	28.8 V
Current consumption				
from backplane bus 5 V DC, max.	40 mA	80 mA	160 mA	240 mA
from sensor current supply or external current supply (24 V DC), max.				128 mA; ON: 4ma/Input
Power losses				
Power loss, typ.	2 W	3 W	6 W	9 W
Connection method				
Plug-in I/O terminals	Yes	Yes	Yes	Yes