

SIEMENS

W. A. H. relay 24

FEI 224-510, 521, 534

1104-A1005-B10
24 10
SIEMENS 902

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Miniature relay D4

for dc operation, neutral, monostable

V23104

Outstanding features

- Suitable for a wide range of applications in the entire field of electronics, in particular in modern telecommunications systems and in measuring circuits, control, regulating and process systems
- Low-cost relay thanks to 4-pole switching function with extremely compact dimensions
- High reliability thanks to fully automatic production and process-integrated test steps including 100 % final inspection and thanks to tightly sealed plastic housing
- Highly sensitive DIL relay for use on PC boards

Versions

- Contact arrangement: 4 changeovers
- Bifurcated contacts
- Terminations: printed circuit
- Plastic housing, tightly sealed; to protect against damage and contamination
- Washable: protection class IP 67 in accordance with DIN 40050 (IEC 529), sealing of the relay conforms to DIN IEC 68, sections 2-17, tested in accordance with group Qc 2 (1 minute testing time).

Miniature relay D4

V23104-A1 ★★★

With 4 changeovers

Bifurcated contacts

Washable

For direct mounting into printed circuits,
pin arrangements for 2.54 mm grid in
accordance with DIN 40801

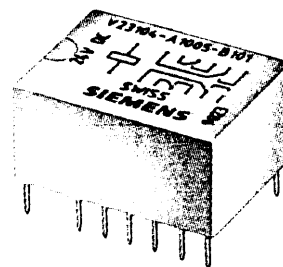
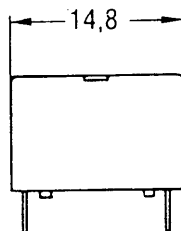
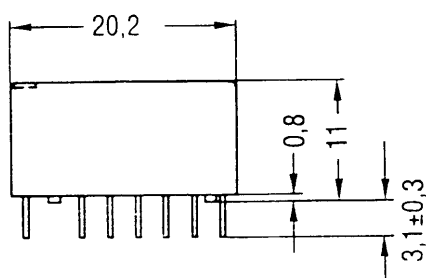
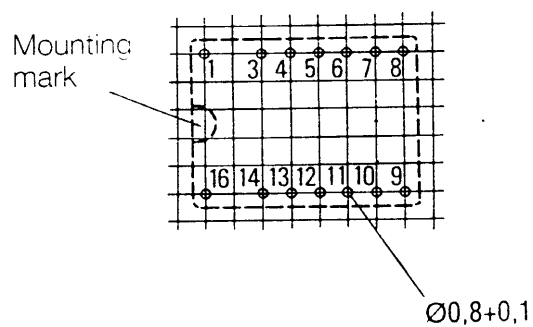


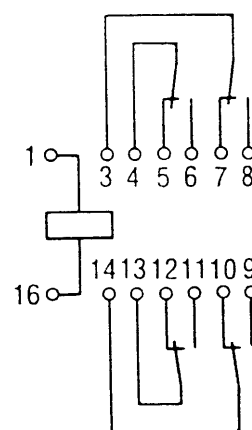
Illustration approx. original size
Weight approx. 7 g



Mounting hole layout
View from the wiring side



Base terminals



Miniature relay D4

Ordering code

Digit	Block 1						Block 2					Block 3				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	V	2	3	1	0	4	-	A	1			-	B	1	0	1

Basic type number _____
and version for the miniature relay D4

Coil number _____
see table 2

Contact arrangement _____

Ordering example: V23104-A1005-B101
Miniature relay D4, coil 24 V nominal voltage

Preferred standard types – SCS

V23104-A1001-B101
V23104-A1003-B101
V23104-A1005-B101
V23104-A1007-B101

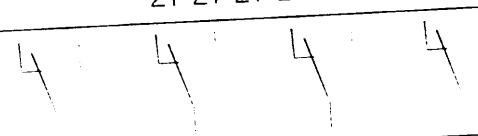
Miniature relay D4

Table 1 Characteristics

Energising side

Operating voltages	V _{dc}	see table 2
Nominal power consumption	mW	300
Maximum temperature	°C	100
Continuous thermal load at 20 °C ambient temperature	mW	760
Thermal resistance	K/W	105

Contact side

Contact material		silver/nickel 20, gold-plated
Contact designation		21-21-21-21
Symbol (see also base terminals)		
Maximum switching voltage	V _{dc} V _{ac}	150 150
Maximum switching current	A	1.25
Maximum power rating with dc voltage with ac voltage	W VA	30 50
Maximum continuous current	A	2

General

Admissible ambient temperature	°C	- 55 to + 85
Operate time	ms	max. 5
Reverse operate time	ms	max. 3
Maximum switching rate	ops./sec.	100
Test voltage contact tip/contact tip contact/contact contact/winding	V _{dc} V _{dc} V _{dc}	1000 1000 2500
Electrical life load type resistive load type dry circuit	operations operations	approx. 5×10^5 approx. 10^7
Mechanical life	operations	approx. 10^8