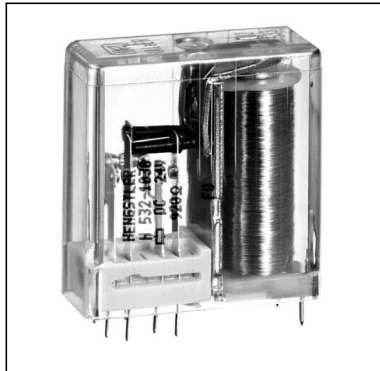


PCB Relay H-532



General

- 2 ... 6 CO-contacts
- Contactset ceramic insulation
- Upright version
- Ambient temperature -25 ... +70 °C
- Soldering heat resistance 260 °C/5s
- RoHS compliance

Connections

- Soldering pins for PCB
- Conventional wiring

Drive

- Direct current, monostable
- Direct current, bistable
- CO-contact, monostable

Approvals

- cULus

Standards

- IEC 61810-1 • UL 508

Technical Data mechanical

Dimensions L x W x H (in mm)	Size 1: 30,1 x 16,5 x 39 (40,2) Size 2: 37,7 x 16,5 x 39 (40,2) Size 3: 45,3 x 16,5 x 39 (40,2) Values in () for sealed version
Shock resistance	20 g, 11 ms Half sinus
Vibration resistance	10 g, 10 – 55 Hz
Operating time	typical 15 ms
Releasing time	typical 8 ms
Mechanical service life (without load)	>10 ⁷ cycles
Weight	45 g

Technical Data electrical

Max. switching capacity	Size 1 (2 CO-contacts) Size 2 (4 CO-contacts) Size 3 (6 CO-contacts)
Max. switching current	AC 1.250 VA, DC *W 6 A
Max. switching capacity	Size 2 (2 CO-contacts)
Max. switching current	AC 2.000 VA, DC *W 8 A
Max. switching voltage	AC 230/240 V, DC *V
Electrical service life (with nominal load)	>10 ⁵ cycles
* see DC-switching capacity	

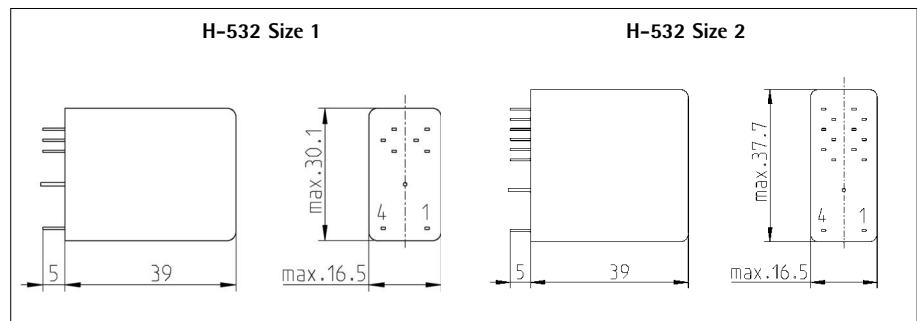
Insulation

Over voltage category (Ü) III (AC 120/240 V)	B-I = Basic insulation
Over voltage category (Ü) II (AC 230/400 V)	
Degree of pollution (V) 2	V-I = Reinforced (double) insulation
Insulating material group I	

Insulation between	Nominal voltage network system		Air-/creeping distance	Test voltage 50Hz/60s
	AC 120/240 V	AC 230/400 V		
Contact – Contact	B-I	B-I	> 2 mm/> 3 mm*	AC 1.300 V
Contactset – Drive	B-I	B-I	> 2 mm/> 3 mm*	AC 2 KV/AC 2,5 KV*

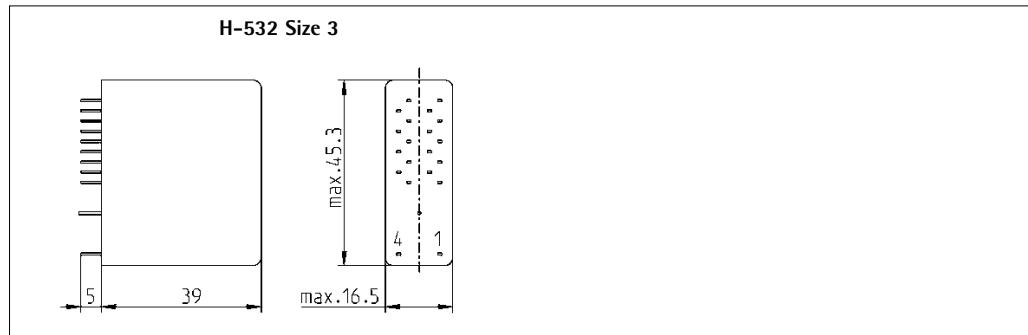
*120/240 V and 230/400 V: Ü=III at size 2, 2 x U (8A)

Dimensions



PCB Relay H-532

Dimensions



Type key

Special Features O Standard E with earthing clamp	Drive 0 DC, neutral, monostable 5 DC, neutral, bistable 1 AC, monostable	Special version 1 Standard 4 Earthing pin 6 Code drill left side, M2,5	Version 00 Standard 01 Special version
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H 0 0 - 0 3 5 3 2 / 2 1 - 0 0 1 3 1 2 - 0 0 4 / 0 1 5 . 0 0

housing O dustproof (RT II)* D wash-tight (RT III)	Connections 3 Soldering pins for PCB 2 Soldering tags	Size 1 2 3	NO-contact NC-contact CO-contact	Coil See coil table	Contactset number See contactset table
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* Preferred version

Contactset table

Size 1

Number of contacts NO/NC/CO-contact	AgCdO	AgCu3 + 0,2 µm Au	AgCdO + 10 µm Au	Contact material
002	011	013	407	Contactset number

Size 2

Number of contacts NO/NC/CO-contacts	AgCdO	AgCu3 + 0,2 µm Au	AgCdO + 10 µm Au	Contact material
002	024	377	404	Contactset number
004	015	453	406	

Size 3

Number of contacts NO/NC/CO-contacts	AgCdO	AgCu3 + 0,2 µm Au	AgCdO + 10 µm Au	Contact material
006	019	459	457	Contactset number

All values at ambient temperature $T_u = 20\text{ °C}$

Coil table

Size 1

DC-Drive

Coil-No.	Resistance R/Ω	Resistance- tolerance ±	U_1/V	U_2/V	$U_{rück}/V$	Printing U_{nom}/V
001323	50	6%	2,6	11,7	0,4	5
001322	67	6%	3,1	13,5	0,4	6
001316	265	8%	6,3	26,7	0,8	12
001312	920	7%	12,2	49,9	1,6	24
001709	3.100	7%	21,0	91,4	2,8	48
001307	4.400	8%	26,0	108,6	3,4	60
001304	14.700	14%	49,6	194,6	6,0	110

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Coil table Size 2

DC-Drive

Coil-No.	Resistance R/Ω	Resistance- tolerance ±	U ₁ (U ₁)/V	U ₂ /V	U _{rück} /V	Printing U _{nom} /V
001323	50	6%	3,7 (3,2)	11,7	0,5	5
001322	67	6%	4,4 (3,8)	13,5	0,6	6
001316	265	8%	9,0 (7,8)	26,7	1,2	12
001312	920	7%	17,4 (15,1)	49,9	2,3	24
001709	3.100	7%	29,8 (25,8)	91,4	3,9	48
001307	4.400	8%	37,0 (32,0)	108,6	4,8	60
001304	14.700	14%	70,7 (61,1)	194,6	8,4	110

(U₁): for 2 CO-contacts/8A

Size 3

DC-Drive

Coil-No.	Resistance R/Ω	Resistance- tolerance ±	U ₁ /V	U ₂ /V	U _{rück} /V	Printing U _{nom} /V
001326	30	6%	3,5	9,0	0,4	5
001424	45	6%	4,4	11,1	0,5	6
001320	110	8%	7,2	17,2	0,8	12
001313	600	8%	17,8	40,1	1,9	24
001311	1.480	7%	27,3	63,2	2,9	48
001108	3.100	9%	39,5	90,8	4,1	60
001305	9.200	9%	72,8	156,4	7,4	110

Size 1

Size 2

AC-Drive

Coil-No.	Resistance R/Ω	U _{min} /V	U _{max} /V	Printing U _{nom} /V
001535	6	4,8	6,6	6
001526	28	9,8	13,2	12
001520	114	19,2	26,4	24
001514	380	33,6	46,2	42
001569	766	48,0	66,0	60
001509	2.557	88,0	121,0	110/115
001505	9.700	176,0	242,0	220/230

Coil designed for 50 Hz, 100% ED at Tu -25 bis +60 °C

U₁: Minimum operating voltage with consideration of coil self heating

U₂: Thermal restricted maximum coil voltage

U_{rück}: Releasing voltage

Further coils are possible and available

Size 1

Size 2

Bistable, 2 Coils

Coil-No.	Resistance R/Ω	U _{on} /V	U _{rück} /V	U _{rückmax} /V	Printing U _{nom} /V
422416	22	3,8	3,3	6,6	6/6
	71				
421812	94	8,1	7,2	13,0	12/12
	270				
421307	340	15,6	14,9	26,6	24/24
	1.100				
420804	1.680	35,1	29,7	50,4	48/48
	4.100				

Pulse duration: >30 ms

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Coil table

Size 3

Bistable, 2 Coils

Coil-No.	Resistance R/ Ω	U _{on} /V	U _{rück} /V	U _{rückmax} /V	Printing U _{nom} /V
421307	340	19,9			24/24
	1.100		19,4	34,5	
420905	1.680	42,2			48/48
	4.100		33,1	58,9	
410904	2.000	44,9			60/60
	7.000		45,0	80,1	

Pulse duration: >30 ms

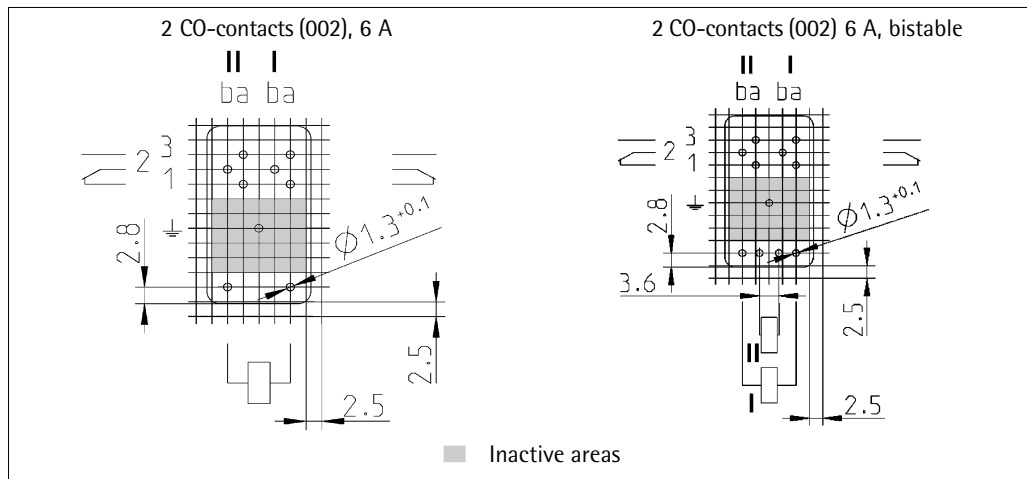
Running types

Article-No.	Type key	Printing U _{nom}	U ₁ /V	U ₂ /V	U _{rück} /V
532-1788	H00-03532/21-001307-004/406.03	DC 60 V	37,0	108,6	4,8
532-1965	H00-53532/31-420905-006/457.01	DC 48/48 V	42,2		33,1
532-1979	H00-03532/21-001312-004/015.00	DC 24 V	17,4	49,9	2,3

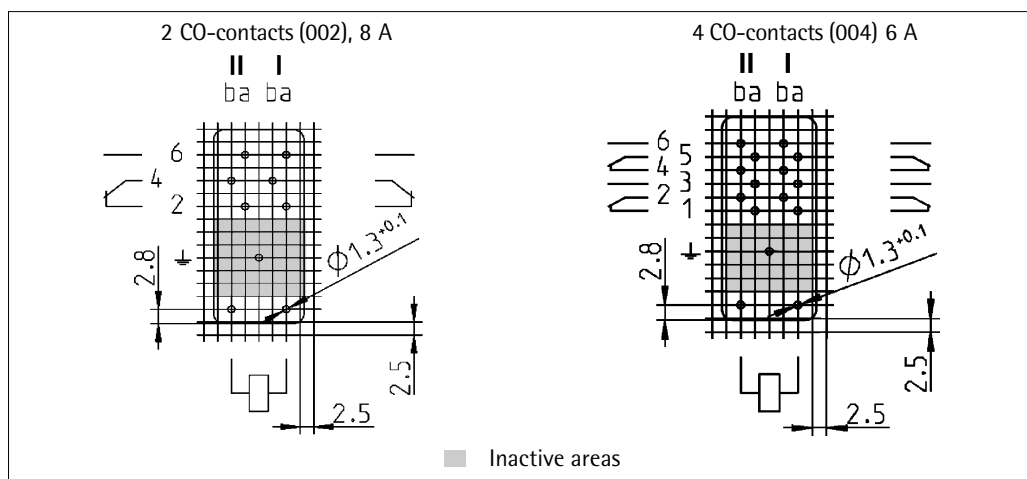
Connection grid

Few on soldering side

Size 1



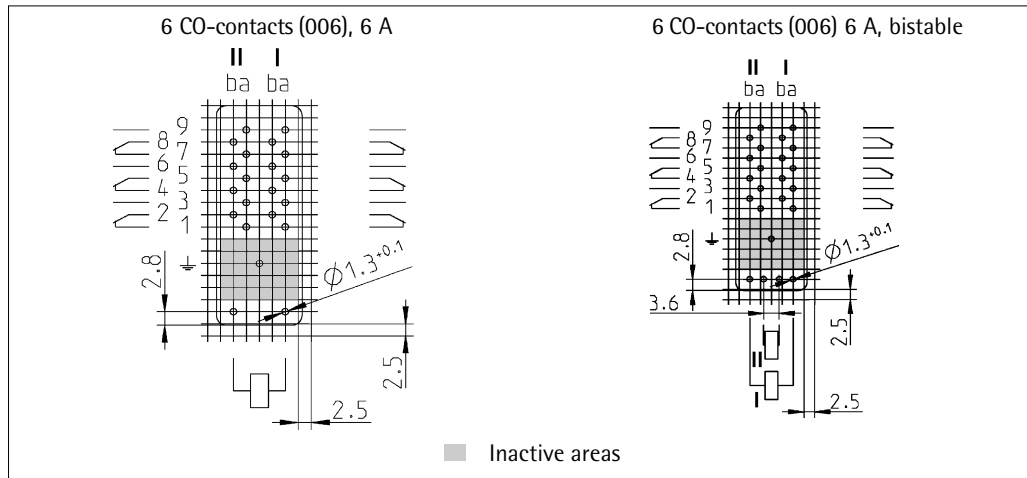
Size 2



PCB Relay H-532

Connection grid

Size 3



Diagrams

