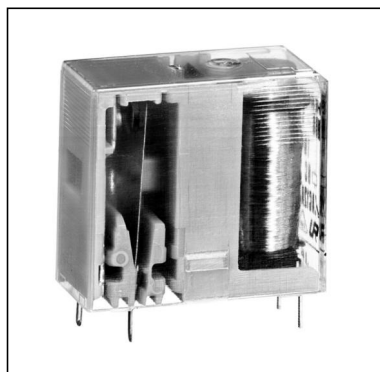


High Power Relay H-550



General

- 1 CO, 1 NC, 1 NO-contact
- High power contact for 12 and 16 A
- Leading tungsten contact for 10 A
- Upright version
- Ambient temperature -25 ... +70 °C
- High temperature version -40 ... +125 °C
- Soldering heat resistance 260 °C/5s
- RoHS compliance

Connections

- Soldering pins for PCB
- 6,3 mm Faston plug for switching contact

Drive

- Direct current, monostabile
- Direct current, bistable
- AC-current, monostable (max. 12 A)

Approvals

- cULus

Standards

- IEC 61810-1 • UL 508

Technical Data mechanical

Dimensions L x W x H (in mm)	dustproof: 28,6 x 13,3 x 25,9 wash tight: 28,6 x 13,3 x 26,9
Shock resistance	25 g, 11 ms Half sinus
Vibration resistance	10 g, 10 - 55 Hz
Operating time	typical 13 ms
Releasing time	typical 4 ms
Mechanical service life (without load)	>10 ⁷ cycles
Weight	25 g

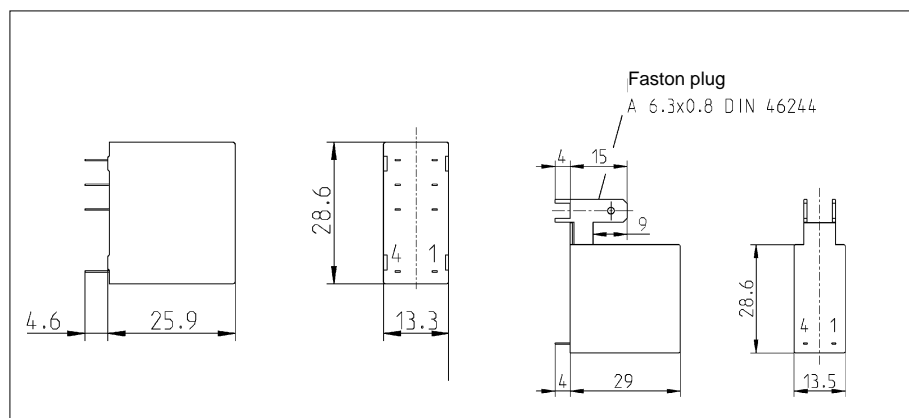
Technical Data electrical

Max. switching capacity	Version H_O-03550/61
Max. switching current	AC 4.000 VA, DC *W 16 A
Max. switching capacity	Version H_O-03550/64
Max. switching current	AC 2.500 VA, DC *W 12 A
Max. switching voltage	AC 230/240 V, DC *V
Electrical service life (with nominal load)	>30.000 cycles
* see DC-switching capacity	

Insulation

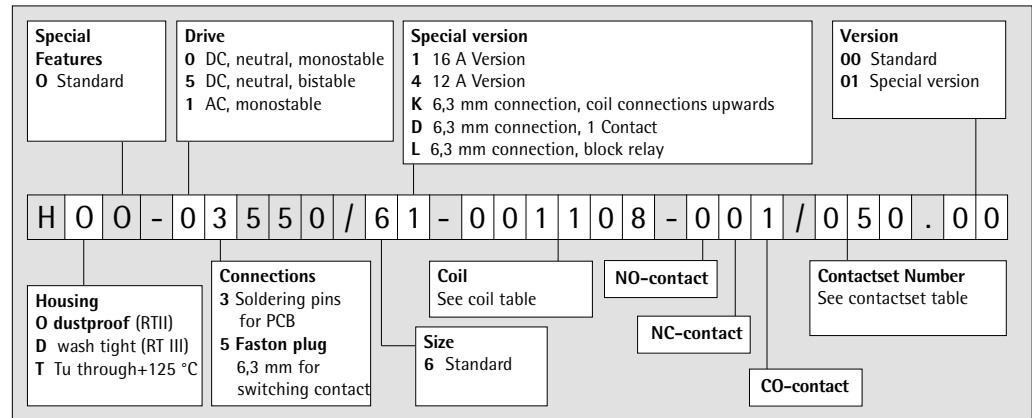
Over voltage category (Ü) III	B-I = Basic insulation												
Degree of pollution (V) 2	V-I = Reinforced (double) insulation												
Insulated material group II													
<table border="1"> <thead> <tr> <th rowspan="2">Insulation between</th> <th colspan="2">Nominal voltage network system</th> <th rowspan="2">Air-/creeping distance</th> <th rowspan="2">Test voltage 50Hz/60s</th> </tr> <tr> <th>AC 120/240 V</th> <th>AC 230/400 V</th> </tr> </thead> <tbody> <tr> <td>Contactset - Drive</td> <td>V-I</td> <td>V-I</td> <td>> 8 mm</td> <td>AC 4.000 V</td> </tr> </tbody> </table>		Insulation between	Nominal voltage network system		Air-/creeping distance	Test voltage 50Hz/60s	AC 120/240 V	AC 230/400 V	Contactset - Drive	V-I	V-I	> 8 mm	AC 4.000 V
Insulation between	Nominal voltage network system		Air-/creeping distance	Test voltage 50Hz/60s									
	AC 120/240 V	AC 230/400 V											
Contactset - Drive	V-I	V-I	> 8 mm	AC 4.000 V									

Dimensions



High Power Relay H-550

Type key



Contactset table 16 A Version

Number of contacts NO/NC/CO-contacts	AgCdO	AgCdO + 5 µm Au	AgSnO ₂	AgCdO + W Only for 10A!	Contact material
001	050	possible	---	---	Contactset number
100	052	possible	126	078	
010	051	possible	possible	---	

Contactset table 12 A Version

Number of contacts NO/NC/CO-contacts	AgCdO	AgCdO + 5 µm Au	AgSnO ₂	Contact material
001	056	132	---	Contactset number
100	058	131	possible	
010	057	possible	possible	

All values at ambient temperature Tu = 20 °C

Coil table Number of contacts 100 or 010

Coil-No.	Resistance R/Ω	Resistance- tolerance ±	U ₁ /V	U ₂ /V	U _{rück} /V	Printing U _{nom} /V
001120	40	7%	3,3	8,5	0,3	5
001117	73	9%	4,4	11,3	0,5	6
001169	280	8%	8,7	22,3	0,9	12
001108	1.100	7%	17,6	44,2	1,8	24
001105	3.450	12%	32,4	77,1	3,2	48
001104	5.500	14%	41,4	96,8	3,9	60
001101	16.700	20%	76,7	165,0	6,7	110

DC-drive

Number of contacts 001

Coil-No.	Resistance R/Ω	Resistance- tolerance ±	U ₁ /V	U ₂ /V	U _{rück} /V	Printing U _{nom} /V
001120	40	7%	3,3	8,5	0,4	5
001117	73	9%	4,4	11,3	0,5	6
001169	280	8%	8,7	22,3	1,1	12
001108	1.100	7%	17,6	44,2	2,2	24
001105	3.450	12%	32,4	77,1	3,8	48
001104	5.500	14%	41,4	96,8	4,8	60
001101	16.700	20%	76,7	165,0	8,1	110

DC-drive

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

High Power Relay H-550

Coil table

AC-drive

Coil-No.	Resistance R/ Ω	U _{min} /V	U _{max} /V	Printing U _{nom} /V
001826	7	4,8	6,6	6
001820	32	9,6	13,2	12
001814	120	19,2	26,4	24
001811	480	38,4	52,8	48
001809	770	48,0	66,0	60
001805	2.720	88,0	121,0	110/115
001802	10.870	176,0	242,0	220/230

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

Bistable, 2 Coils

Coil-No.	Resistance R/ Ω	U _{on} /V	U _{rück} /V	U _{rückmax} /V	Printing U _{nom} /V
512214	18	3,7	4,2	7,4	6/6
	53				
511611	73	7,5	8,4	14,9	12/12
	220				
511206	275	14,7	17,0	30,2	24/24
	800				
510703	1.140	30,7	33,8	60,1	48/48
	3.080				

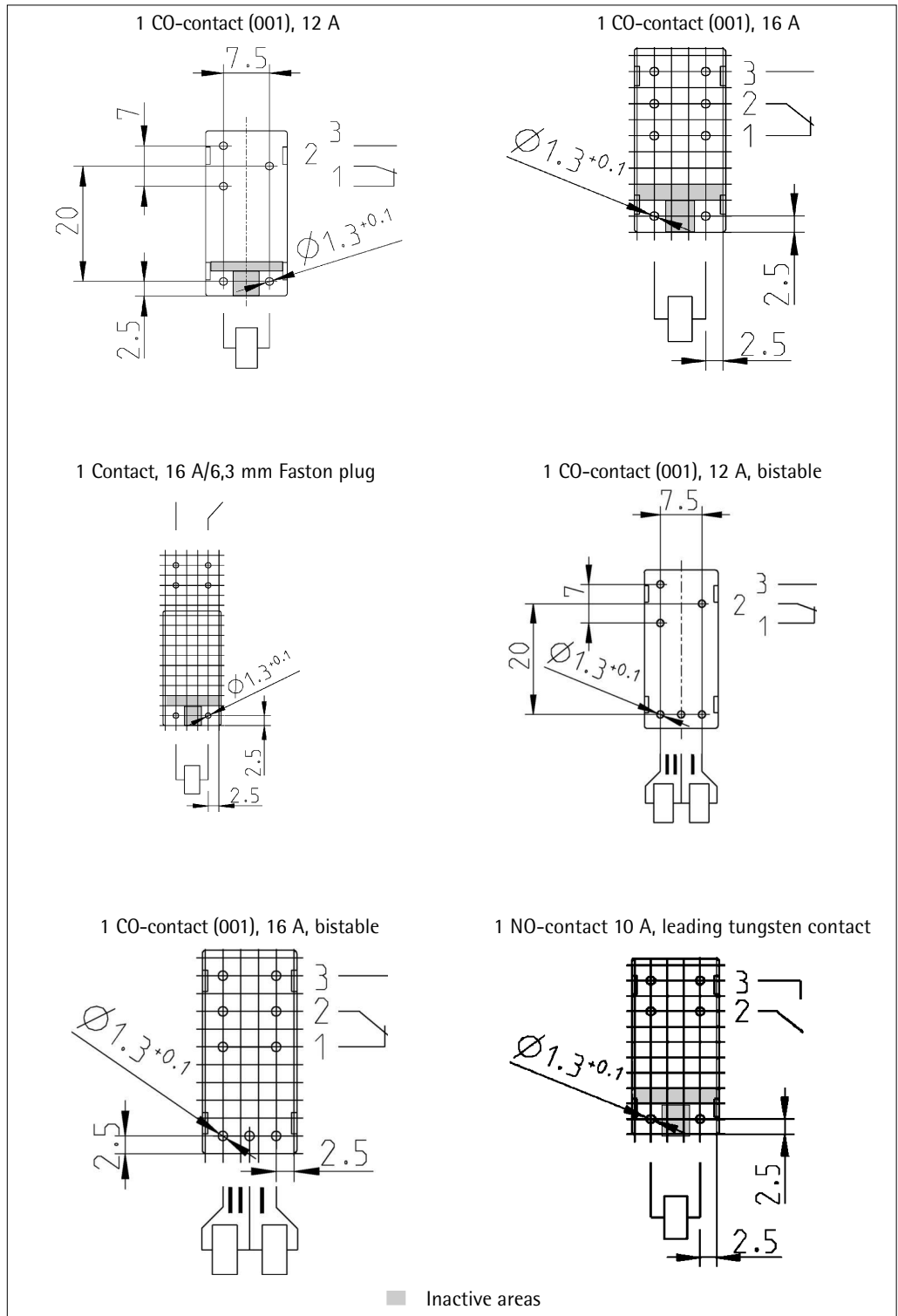
Pulse duration: >30 ms

Running types

Article-No.	Type key	Printing U _{nom}	U ₁ /V	U ₂ /V	U _{rück} /V
550-1002	Replaced by 550-1569				
550-1003	H00-03550/61-001108-100/052.00	DC 24 V	17,6	44,2	1,8
550-1005	H00-03550/61-001108-001/050.00	DC 24 V	17,6	44,2	2,2
550-1010	H00-03550/64-001108-001/056.00	DC 24 V	17,6	44,2	2,2
550-1026	H00-03550/61-001169-100/052.00	DC 12 V	8,7	22,3	0,9
550-1030	H00-03550/61-001101-001/050.00	DC 110 V	76,7	165,0	8,1
550-1071	H00-53550/61-511611-001/050.00	DC 12/12 V	7,5		8,4
550-1093	H00-53550/61-511206-001/050.00	DC 24/24 V	14,7		17,0
550-1553	HDO-03550/61-001169-100/052.00	DC 12 V	8,7	22,3	0,9
550-1569	H00-03550/61-001169-001/050.00	DC 12 V	8,7	22,3	1,1
550-1598	HDO-03550/61-001108-001/050.00	DC 24 V	17,6	44,2	2,2
550-1663	H00-03550/64-001169-001/056.00	DC 12 V	8,7	22,3	1,1
550-1696	H00-05550/6L-001169-100/099.00	DC 12 V	8,7	22,3	0,9
550-1749	H00-53550/64-510703-001/056.00	DC 48/48 V	30,7		33,8
550-1751	HDO-53550/64-511611-001/056.00	DC 12/12 V	7,5		8,4
550-1929	H00-03550/64-001169-001/132.00	DC 24 V	8,7	22,3	1,1
550-6057	H00-13550/61-001802-001/073.00	AC 230 V	176,0	242,0	

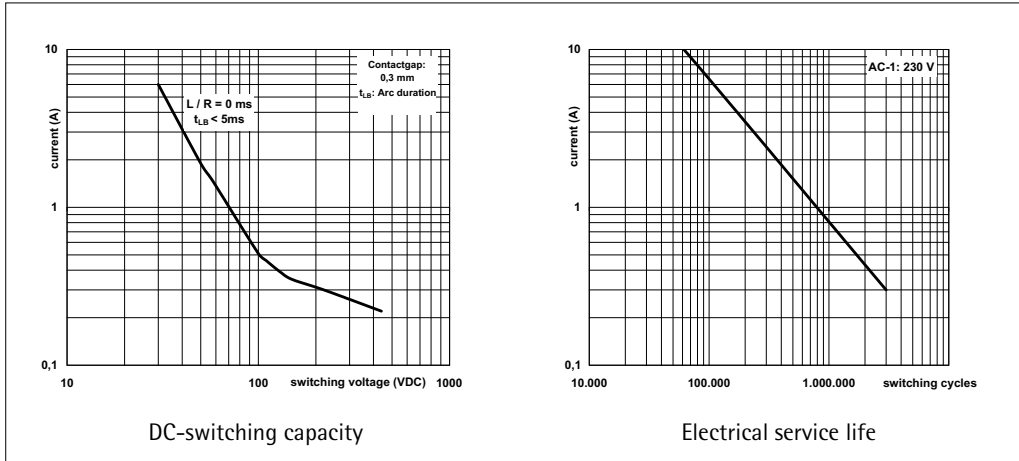
High Power Relay H-550

Connection grid
Few on soldering side



High Power Relay H-550

Diagrams



Accessories

H-550/61
(Version
for 16 A)

Socket and Accessories for standard rail DIN EN 50022:	Article-No.:
• Socket with 8 screw terminals	550-8201
• Fitting metal retainer clip	550-8103
• DC 24 V functional unit with LED and inverse diode	550-8108
• DC 24 V functional unit with inverse diode	550-8109
Socket and Accessories for PCB mounting:	
• Socket, 8-pin	550-8104
• Fitting metal retainer clip	550-8106

H-550/64
(Version
for 12 A)

Socket and Accessories for the standard rail DIN EN 50022:	Article-No.:
• Socket with 5 screw terminals	550-8102
• Fitting metal retainer clip	550-8103
• DC 24 V functional unit with LED and inverse diode	550-8108
• DC 24 V functional unit with inverse diode	550-8109
Socket and Accessories for the PCB mounting:	
• Socket, 5-pin	550-8105
• Fitting metal retainer clip	550-8106