



**PIT-RADWAR S.A.**  
**WROCLAW DIVISION**  
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**HV reed relays K-551H, K-552H**  
**K-553H, K-554H, K-555H**  
**form A contact (normally open)**  
**for PCBs**

**This product is in accordance with RoHs**

PARAMETERS	Unit	TYPE				
		K-551H	K-552H	K-553H	K-554H	K-555H

**1. CONTACT PARAMETERS**

Switching power	max	W, VA	50			10	
Breakdown voltage	min	kV <sub>DC</sub>	7	10	14	17	18
Switching voltage (DC or AC PEAK)	max	kV	5	7,5	10	12	
Switching current	max	A	2		1		
Initial contact resistance	max	m	150				
Life expectancy			operations				
Load 1	5 kV <sub>DC</sub> , 1 mA		0,5x10 <sup>6</sup>				
Load 2	7,5 kV <sub>DC</sub> , 1 mA			0,5x10 <sup>6</sup>			
Load 3	10 kV <sub>DC</sub> , 1 mA				0,5x10 <sup>6</sup>	0,5x10 <sup>6</sup>	0,5x10 <sup>6</sup>

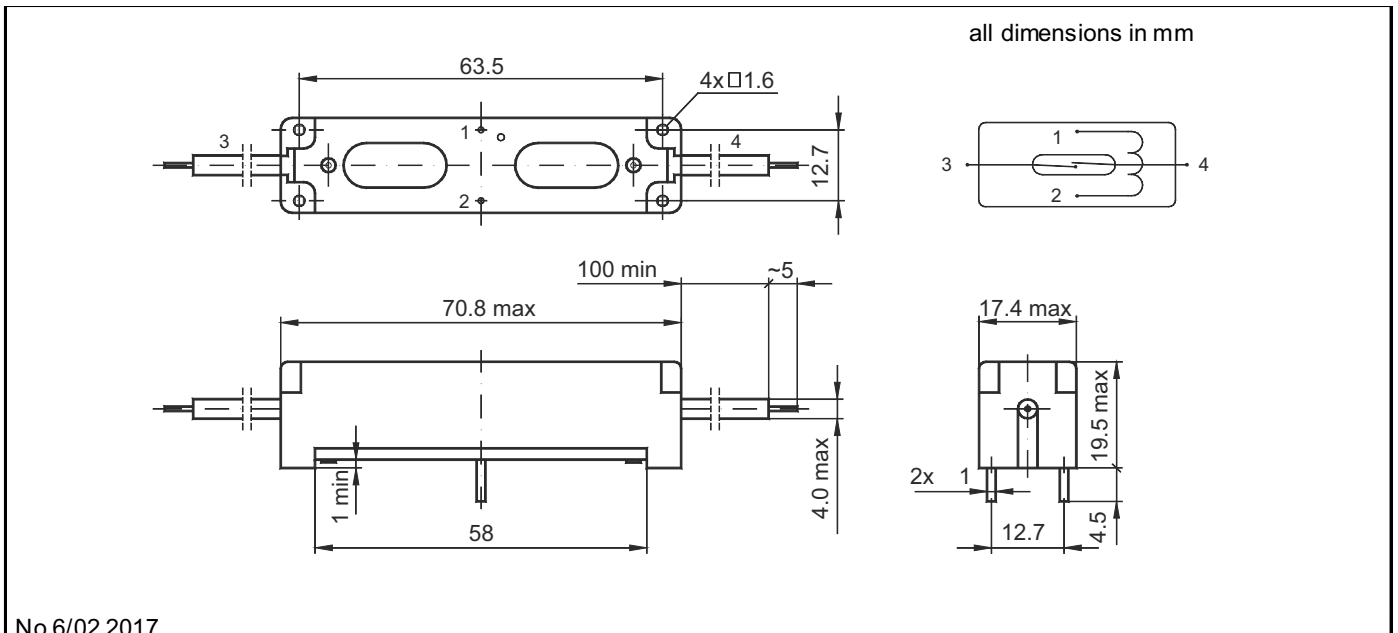
**2. COIL PARAMETERS**

Nominal voltage		V <sub>DC</sub>	5/6/12/24				
Pull-in voltage	max	V <sub>DC</sub>	4/4,5/9/18				
Drop-out voltage	min	V <sub>DC</sub>	0,5/0,6/1/2				
Coil resistance	±10%		45/45/180/650				

**3. RELAY PARAMETERS**

Insulation resistance (at 1000V <sub>DC</sub> )	min		10 <sup>10</sup> (at 70°C)		10 <sup>12</sup> (at 20°C)		
Operate time including bounces	max	ms	3,6				
Release time	max	ms	0,5				
Breakdown voltage coil-contact	min	kV <sub>DC</sub>	15		30		
Environment category acc. to IEC 68-2-1÷3			40/85/21				

**4. DIMENSIONS AND TERMINAL ARRANGEMENTS**





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**HV reed relays K-555S**  
**form A contact (normally open)**  
**for PCBs**

**This product is in accordance with RoHs**

PARAMETERS	Unit	TYPE
		K-556S

**1. CONTACT PARAMETERS**

Switching power	max	W, VA	10
Breakdown voltage	min	kV <sub>DC</sub>	19
Switching voltage (DC or AC PEAK)	max	kV	12
Switching current	max	A	1
Initial contact resistance	max	m	150
Life expectancy Load 3 10 kV <sub>DC</sub> , 1 mA			operations 0,5x10 <sup>6</sup>

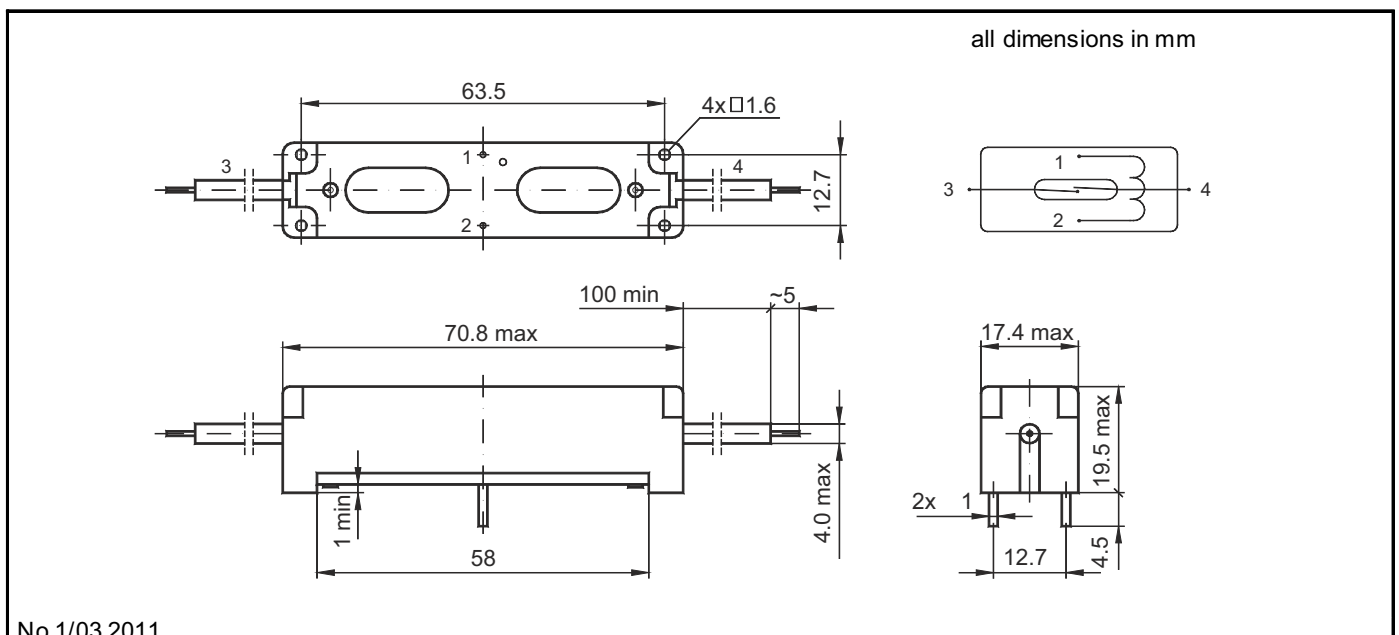
**2. COIL PARAMETERS**

Nominal voltage		V <sub>DC</sub>	24
Pull-in voltage	max	V <sub>DC</sub>	18
Drop-out voltage	min	V <sub>DC</sub>	2
Coil resistance	±10%		400

**3. RELAY PARAMETERS**

Insulation resistance (at 1000V <sub>DC</sub> )	min		10 <sup>10</sup> (at 70°C) 10 <sup>12</sup> (at 20°C)
Operate time including bounces	max	ms	3,6
Release time	max	ms	0,5
Breakdown voltage coil-contact	min	kV <sub>DC</sub>	30
Environment category acc. to IEC 68-2-1÷3			40/85/21

**4. DIMENSIONS AND TERMINAL ARRANGEMENTS**





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**HV reed relays K-561H, K-562H**  
**form A contact (normally open)**  
**for PCBs**

**This product is in accordance with RoHs**

PARAMETERS	Unit	TYPE	
		K-561H	K-562H

**1. CONTACT PARAMETERS**

Switching power	max	W, VA	50	
Breakdown voltage	min	kV <sub>DC</sub>	7	10
Switching voltage (DC or AC PEAK)	max	kV	5	7,5
Switching current	max	A	2	
Initial contact resistance	max	m	150	
Life expectancy			operations	
Load 1	5 kV <sub>DC</sub> ,	1 mA	0,5x10 <sup>6</sup>	
Load 2	7,5 kV <sub>DC</sub> ,	1 mA	0,5x10 <sup>6</sup>	

**2. COIL PARAMETERS**

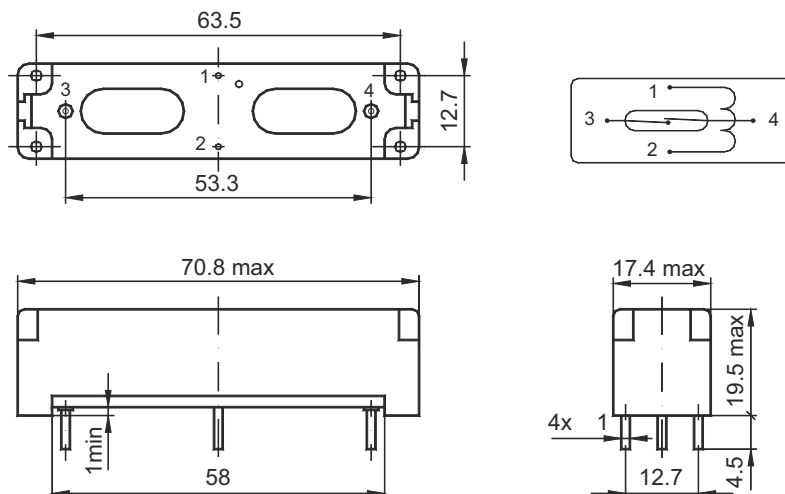
Nominal voltage	V <sub>DC</sub>	5	6	12	24	5	6	12	24	
Pull-in voltage	max	V <sub>DC</sub>	4	4,5	9	18	4	4,5	9	18
Drop-out voltage	min	V <sub>DC</sub>	0,5	0,6	1	2	0,5	0,6	1	2
Coil resistance	±10%		45	45	180	650	45	45	180	650

**3. RELAY PARAMETERS**

Insulation resistance (at 1000V <sub>DC</sub> )	min		10 <sup>10</sup> (at 70°C)	10 <sup>12</sup> (at 20°C)
Operate time including bounces	max	ms	3,6	
Release time	max	ms	0,5	
Breakdown voltage coil-contact	min	kV <sub>DC</sub>	15	
Environment category acc. to IEC 68-2-1÷3			40/85/21	

**4. DIMENSIONS AND TERMINAL ARRANGEMENTS**

all dimensions in mm





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**HV red relays R-561,R-562**  
**form A contact (normally open)**  
**for PCBs**

**This product is in accordance with RoHs**

PARAMETERS	Unit	TYPE	
		R-561	R-562

**1. CONTACT PARAMETERS**

Switching power	max	W,VA	50	
Breakdown voltage	min	kV <sub>DC</sub>	7	10
Switching voltage (DC or AC PEAK)	max	kV	5	7,5
Switching current	max	A	2	
Initial contact resistance	max	m	150	
Life expectancy			operations	
Load 1 5 kV <sub>DC</sub> , 1 mA			0,5x10 <sup>6</sup>	
Load 2 7,5 kV <sub>DC</sub> , 1 mA				0,5x10 <sup>6</sup>

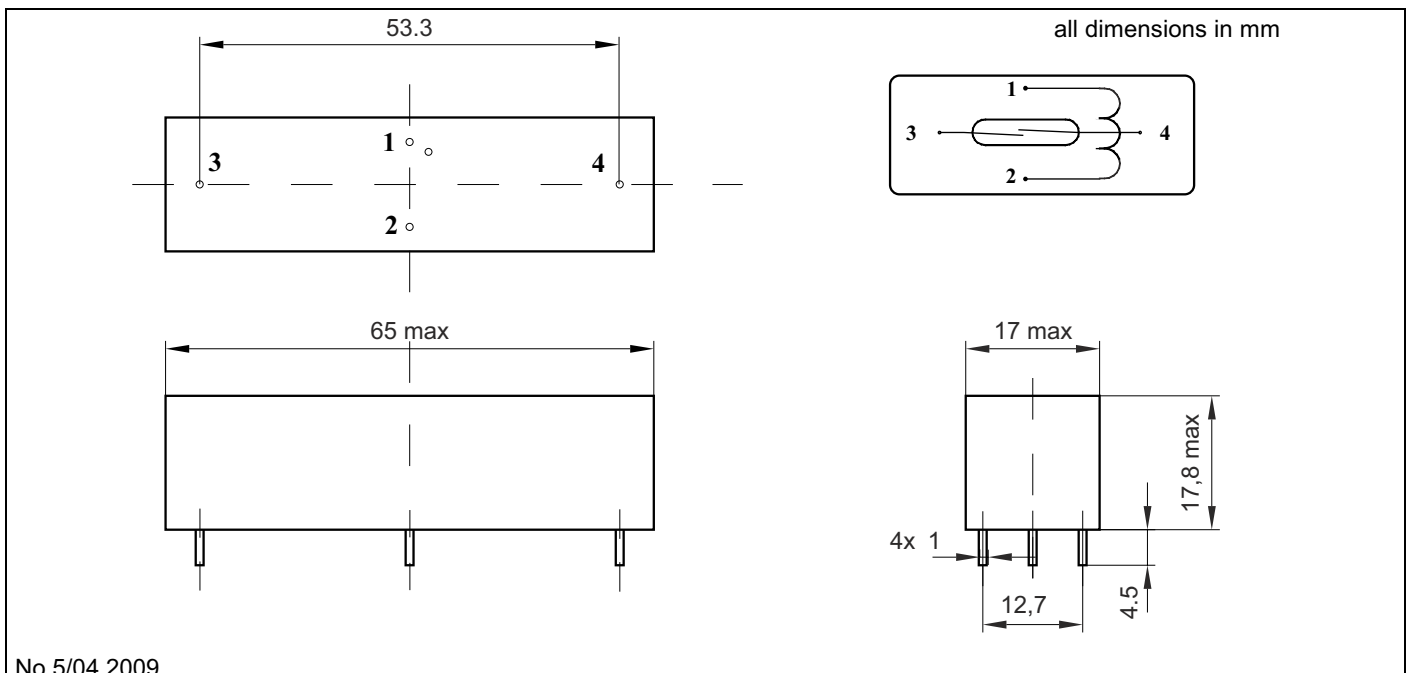
**2. COIL PARAMETERS**

Nominal voltage		V <sub>DC</sub>	5	6	12	24	5	6	12	24
Pull-in voltage	max	V <sub>DC</sub>	4	4,5	9	18	4	4,5	9	18
Drop-out voltage	min	V <sub>DC</sub>	0,5	0,6	1	2	0,5	0,6	1	2
Coil resistance	±10%		45	45	180	650	45	45	180	650

**3. RELAY PARAMETERS**

Insulation resistance (at 1000V <sub>DC</sub> )	min		10 <sup>10</sup> (at 70°C)		10 <sup>12</sup> (at 20°C)	
Operate time including bounces	max	ms	3,6			
Release time	max	ms	0,5			
Breakdown voltage coil-contact	min	kV <sub>DC</sub>	15			
Environment category acc. to IEC 68-2-1÷3			40/85/21			

**4. DIMENSIONS AND TERMINAL ARRANGEMENTS**





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**HV reed relays K-561B, K-562B**  
**form B contact (normally closed)**  
**for PCBs**

**This product is in accordance with RoHs**

PARAMETERS	Unit	TYPE	
		K-561B	K-562B

**1. CONTACT PARAMETERS**

Switching power	max	W, VA	50	
Breakdown voltage	min	kV <sub>DC</sub>	7	10
Switching voltage (DC or AC PEAK)	max	kV	5	7,5
Switching current	max	A	2	
Initial contact resistance	max	m	150	
Life expectancy			operations	
Load 1	5 kV <sub>DC</sub> ,	1 mA	0,5x10 <sup>6</sup>	0,5x10 <sup>6</sup>
Load 2	7,5 kV <sub>DC</sub> ,	1 mA		

**2. COIL PARAMETERS**

		Min	Nom	Max
Coil voltage*	V <sub>DC</sub>		12/24	16/30
Pull-in voltage	V <sub>DC</sub>	2/4		9/18
Drop-out voltage	V <sub>DC</sub>	1,9/3,9		8,9/17,9
Coil resistance	±10%	225/900	250/1000	275/1100

**3. RELAY PARAMETERS**

Insulation resistance (at 1000V <sub>DC</sub> )	min		10 <sup>11</sup>	
Operate time	max	ms	2,6	
Release time including bounces	max	ms	3,6	
Breakdown voltage coil-contact	min	kV <sub>DC</sub>	15	
Environment category acc. to IEC 68-2-1+3			40/85/21	

**4. DIMENSIONS AND TERMINAL ARRANGEMENTS**

all dimensions in mm

\*Coil polarity must be observed. See drawing for the positive pin.  
 Relays are susceptible to magnetic interaction due to bias internal magnet.

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**HV reed relays K-551B, K-552B**  
**form B contact (normally closed)**  
**for PCBs**

**This product is in accordance with RoHs**

PARAMETERS	Unit	TYPE	
		K-551B	K-552B

**1. CONTACT PARAMETERS**

Switching power	max	W, VA	50	
Breakdown voltage	min	kV <sub>DC</sub>	7	10
Switching voltage (DC or AC PEAK)	max	kV	5	7,5
Switching current	max	A	2	
Initial contact resistance	max	m	150	
Life expectancy			operations	
Load 1	5 kV <sub>DC</sub> ,	1 mA	0,5x10 <sup>6</sup>	0,5x10 <sup>6</sup>
Load 2	7,5 kV <sub>DC</sub> ,	1 mA		

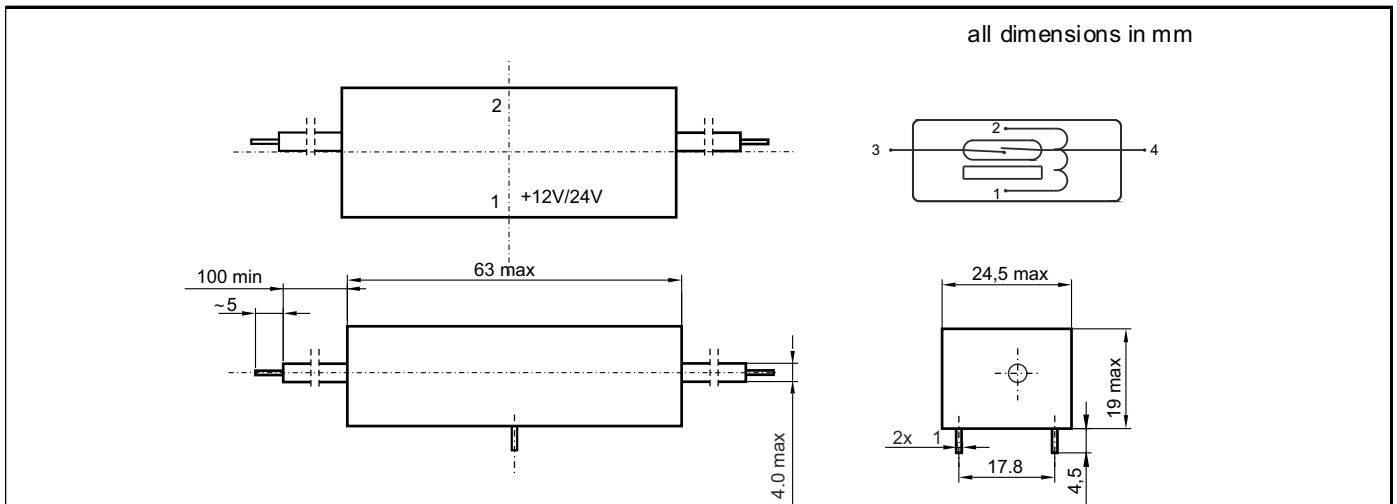
**2. COIL PARAMETERS**

		Min	Nom	Max
Coil voltage*	V <sub>DC</sub>		12/24	16/30
Pull-in voltage	V <sub>DC</sub>	2/4		9/18
Drop-out voltage	V <sub>DC</sub>	1,9/3,9		8,9/17,9
Coil resistance	10%	225/900	250/1000	275/1100

**3. RELAY PARAMETERS**

Insulation resistance (at 1000V <sub>DC</sub> )	min		10 <sup>11</sup>	
Operate time	max	ms	2,6	
Release time including bounces	max	ms	3,6	
Breakdown voltage coil-contact	min	kV <sub>DC</sub>	15	
Environment category acc. to IEC 68-2-1÷3			40/85/21	

**4. DIMENSIONS AND TERMINAL ARRANGEMENTS**



\*Coil polarity must be observed. See drawing for the positive pin.  
 Relays are susceptible to magnetic interaction due to bias internal magnet.