PIT-RADWAR S.A.
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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_{DC}	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		mΩ	150				
Life expectancy:			operations				
Load 1	5 kV_{DC}, 1mA		$0,5x10^6$				
Load 2	7,5 kV_{DC}, 1mA			$0,5x10^6$			
Load 3	10 kV_{DC}, 1mA				$0,5x10^6$	$0,5x10^6$	$0,5x10^6$

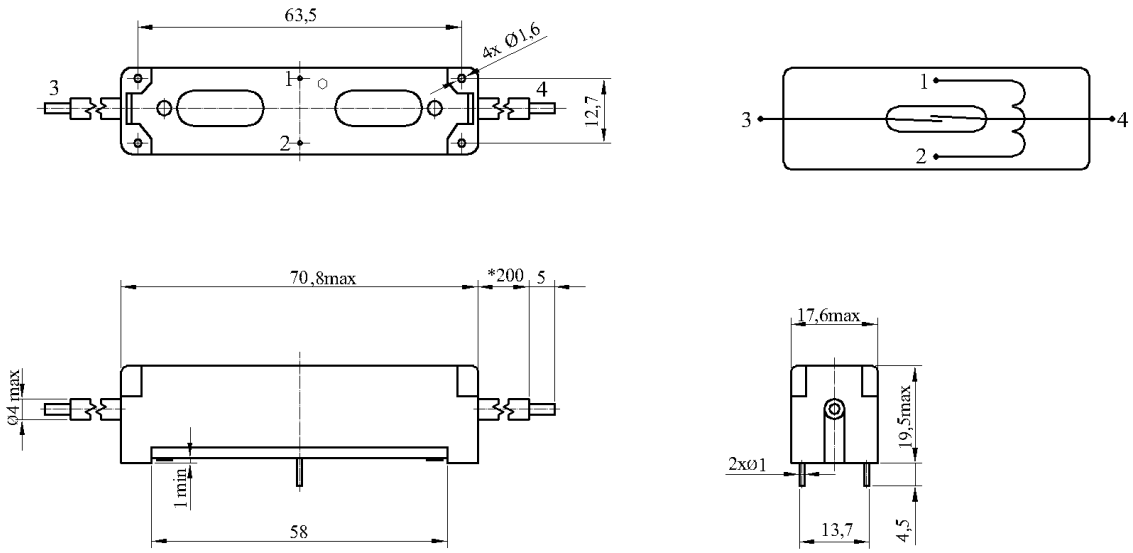
2. COIL PARAMETERS (at 20°C)*

Nominal voltage	V_{DC}	5	6	12	24
Pull-in voltage max	V_{DC}	4	4,5	9	18
Drop-out voltage min	V_{DC}	0,5	0,6	1	2
Coil resistance ±10%	Ω	45	45	180	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.					

3. RELAY PARAMETERS

Insulation resistance (at 1000VDC) min	Ω	10^{10} (at 70°C) 10^{12} (at 20°C)	
Operate time including bounces max	ms	3,6	
Release time max	ms	0,5	
Breakdown voltage coil-contact	kV_{DC}	15	30
Environment category acc. to IEC 68-2-1÷3		40/85/21	

4. DIMENSIONS AND TERMINAL ARRANGEMENTS



*- Length of wires depends on customer's requirement

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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_{DC}	7	10
Switching voltage (DC or AC PEAK) max		kV	5	7,5
Switching current max		A	2	
Initial contact resistance max		mΩ	150	
Life expectancy:			Operations	
Load 1	5 kV_{DC}, 1mA		$0,5x10^6$	
Load 2	7,5 kV_{DC}, 1mA			$0,5x10^6$

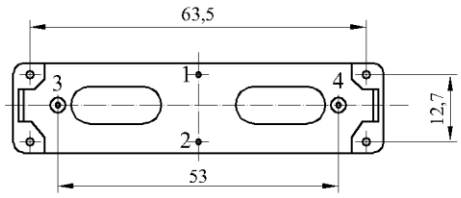
2. COIL PARAMETERS (at 20°C)*

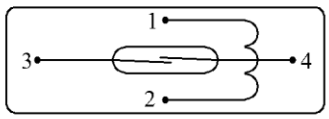
Nominal voltage	V_{DC}	5	6	12	24
Pull-in voltage max	V_{DC}	4	4,5	9	18
Drop-out voltage min	V_{DC}	0,5	0,6	1	2
Coil resistance ±10%	Ω	45	45	180	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.					

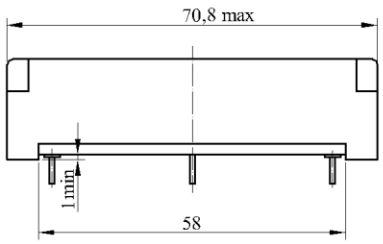
3. RELAY PARAMETERS

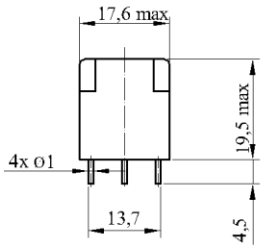
Insulation resistance min	Ω	10^{10} (at 70°C) / 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	15
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS









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HV reed relays
R-541, R-542

form A contact (normally open)
for PCBs

This product is in accordance with RoHs

PARAMETERS	UNIT	TYPE	
		R-541	**R-542**

1. CONTACT PARAMETERS

Switching power max		W, VA	50	
Breakdown voltage min		kV_{DC}	7	10
Switching voltage (DC or AC PEAK) max		kV	5	7,5
Switching current max		A	2	
Initial contact resistance max		mΩ	150	
Life expectancy:			Operations	
Load 1	5 kV_{DC}, 1mA		$0,5x10^6$	
Load 2	7,5 kV_{DC}, 1mA			$0,5x10^6$

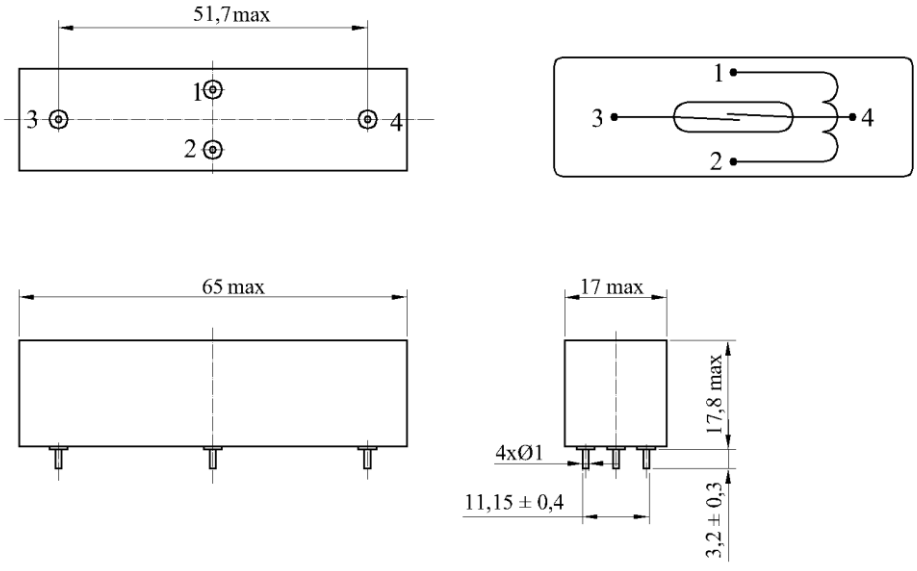
2. COIL PARAMETERS (at 20°C)*

Nominal voltage	V_{DC}	5	6	12	24
Pull-in voltage max	V_{DC}	4	4,5	9	18
Drop-out voltage min	V_{DC}	0,5	0,6	1	2
Coil resistance ±10%	Ω	45	45	180	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.					

3. RELAY PARAMETERS

Insulation resistance min	Ω	10^{10} (at 70°C) / 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	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-531H, K-532H, K-533H

form A contact (normally open)
for PCBs

This product is in accordance with RoHs

PARAMETERS		Unit	TYPE		
			K-531H	**K-532H**	**K-533H**

1. CONTACT PARAMETERS

Switching power max		W, VA	50		
Breakdown voltage min		kV_{DC}	7	10	14
Switching voltage (DC or AC PEAK) max		kV	5	7,5	10
Switching current max		A	2		1
Initial contact resistance max		mΩ	150		
Life expectancy:			Operations		
Load 1	5 kV_{DC}, 1mA		$0,5x10^6$		
Load 2	7,5 kV_{DC}, 1mA			$0,5x10^6$	
Load 3	10 kV_{DC}, 1mA				$0,5x10^6$

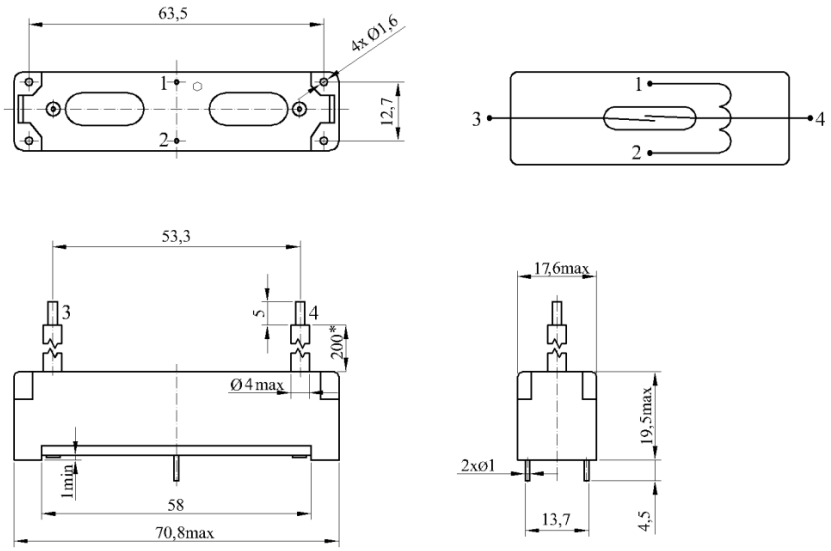
2. COIL PARAMETERS (at 20°C)*

Nominal voltage	V_{DC}	5	6	12	24
Pull-in voltage max	V_{DC}	4	4,5	9	18
Drop-out voltage min	V_{DC}	0,5	0,6	1	2
Coil resistance ±10%	Ω	45	45	180	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.					

3. RELAY PARAMETERS

Insulation resistance (at 1000VDC) min	Ω	10^{10} (at 70°C) 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	15
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS



*- Length of wires depends on customer's requirement

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HV reed relays
K-534H, K-535H, K-536H

form A contact (normally open)
for PCBs

This product is in accordance with RoHs

PARAMETERS	Unit	TYPE		
		K-534H	**K-535H**	**K-536H**

1. CONTACT PARAMETERS

Switching power max		W, VA	10		
Breakdown voltage min		kV_{DC}	17	18	19
Switching voltage (DC or AC PEAK) max		kV	12		
Switching current max		A	1		
Initial contact resistance max		mΩ	150		
Life expectancy:			Operations		
Load	10 kV_{DC}, 1mA		$0,5x10^6$		

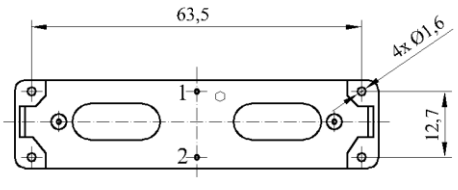
2. COIL PARAMETERS (at 20°C)*

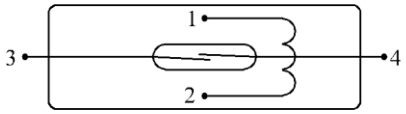
Nominal voltage	V_{DC}	5	6	12	24
Pull-in voltage max	V_{DC}	4	4,5	9	18
Drop-out voltage min	V_{DC}	0,5	0,6	1	2
Coil resistance ±10%	Ω	45	45	180	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.					

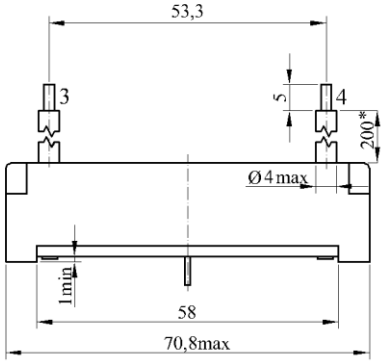
3. RELAY PARAMETERS

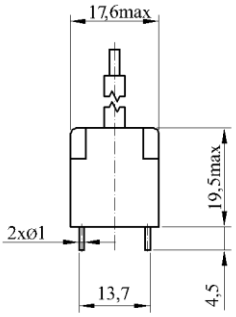
Insulation resistance (at 1000VDC) min	Ω	10^{10} (at 70°C) 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	30
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS









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HV reed relays
K-541H, K-542H, K-543H

form A contact (normally open)
for PCBs

This product is in accordance with RoHs

PARAMETERS		Unit	TYPE		
			K-541H	**K-542H**	**K-543H**

1. CONTACT PARAMETERS

Switching power max		W, VA	50		
Breakdown voltage min		kV_{DC}	7	10	14
Switching voltage (DC or AC PEAK) max		kV	5	7,5	10
Switching current max		A	2		1
Initial contact resistance max		mΩ	150		
Life expectancy:			Operations		
Load 1	5 kV_{DC}, 1mA		$0,5x10^6$		
Load 2	7,5 kV_{DC}, 1mA			$0,5x10^6$	
Load 3	10 kV_{DC}, 1mA				$0,5x10^6$

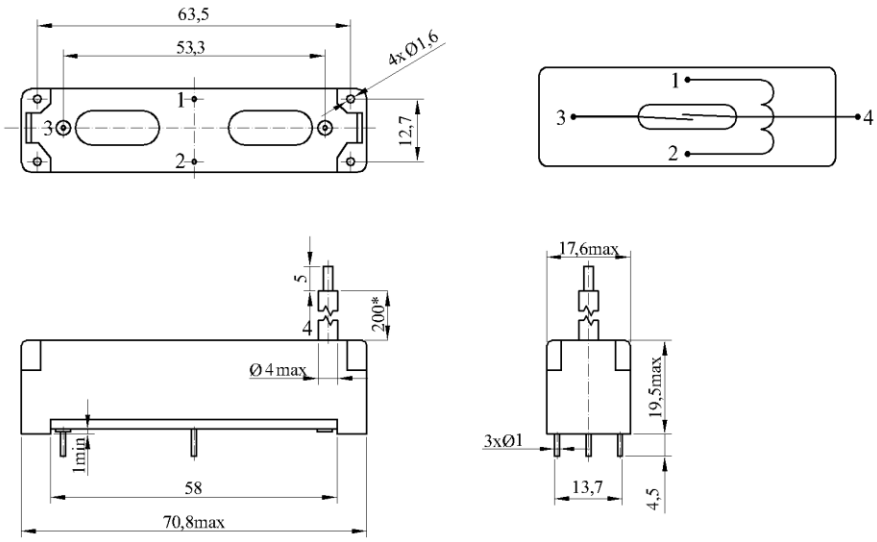
2. COIL PARAMETERS (at 20°C)*

Nominal voltage	V_{DC}	5	6	12	24
Pull-in voltage max	V_{DC}	4	4,5	9	18
Drop-out voltage min	V_{DC}	0,5	0,6	1	2
Coil resistance ±10%	Ω	45	45	180	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.					

3. RELAY PARAMETERS

Insulation resistance (at 1000VDC) min	Ω	10^{10} (at 70°C) 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	15
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS



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www.dolam.pl

HV reed relays
K-552H/E

form A contact (normally open)
for PCBs

This product is in accordance with RoHs

PARAMETERS	Unit	TYPE
		K-552H/E

1. CONTACT PARAMETERS

Switching power max		W, VA	50
Breakdown voltage min		kV_{DC}	12
Switching voltage (DC or AC PEAK) max		kV	7,5
Switching current max		A	2
Initial contact resistance max		mΩ	150
Life expectancy:			operations
Load	7,5 kV_{DC}, 1mA		$0,5x10^6$

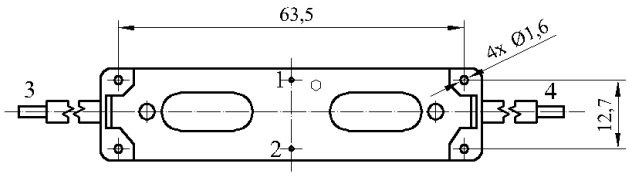
2. COIL PARAMETERS (at 20°C)*

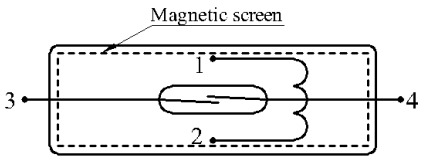
Nominal voltage	V_{DC}	12	24
Pull-in voltage max	V_{DC}	9	18
Drop-out voltage min	V_{DC}	1	2
Coil resistance ±10%	Ω	180	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.			

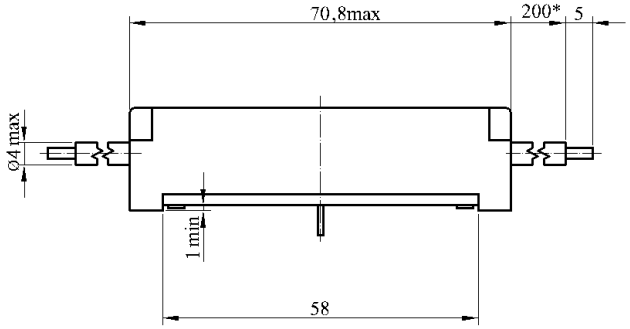
3. RELAY PARAMETERS

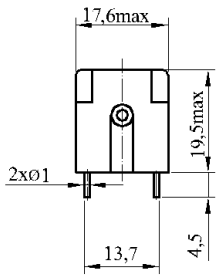
Insulation resistance (at 1000VDC) min	Ω	10^{10} (at 70°C) 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	15
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS









*- Length of wires depends on customer's requirement

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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-555S

1. CONTACT PARAMETERS

Switching power max		W, VA	10
Breakdown voltage min		kV_{DC}	18
Switching voltage (DC or AC PEAK) max		kV	12
Switching current max		A	1
Initial contact resistance max		mΩ	150
Life expectancy:			operations
Load	10 kV_{DC}, 1mA		$0,5x10^6$

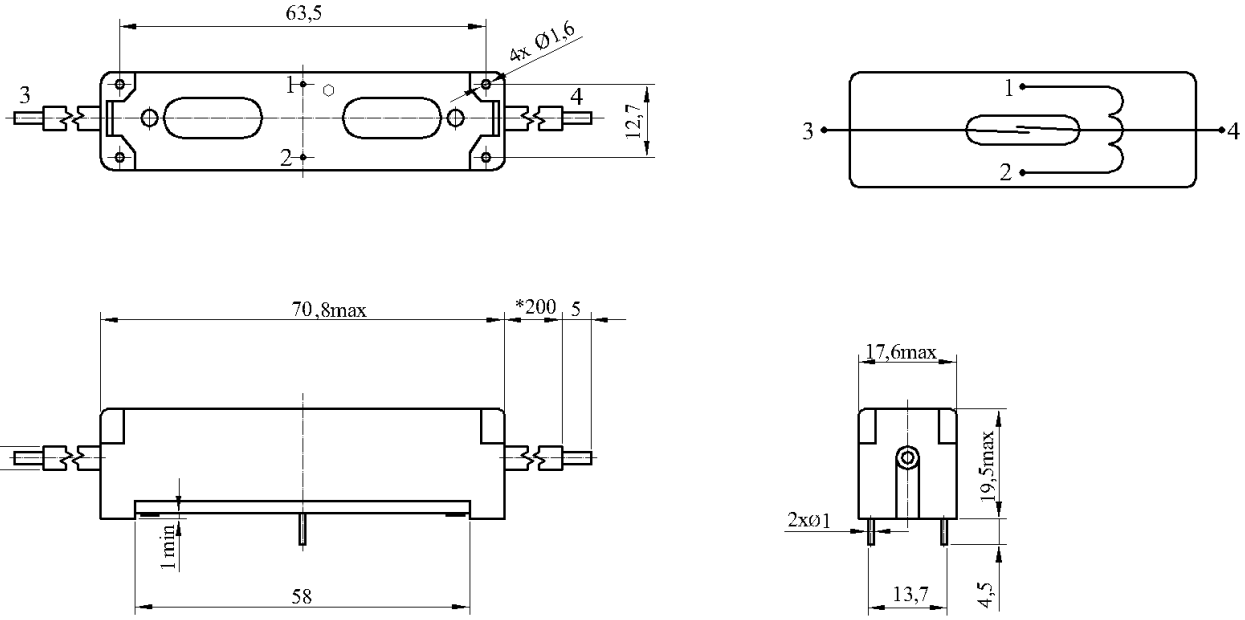
2. COIL PARAMETERS (at 20°C)*

Nominal voltage	V_{DC}	24
Pull-in voltage max	V_{DC}	18
Drop-out voltage min	V_{DC}	2
Coil resistance ±10%	Ω	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.		

3. RELAY PARAMETERS

Insulation resistance (at 1000VDC) min	Ω	10^{10} (at 70°C) 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	45
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS



*- Length of wires depends on customer's requirement

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HV reed relays
K-556S

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_{DC}	19
Switching voltage (DC or AC PEAK) max		kV	12
Switching current max		A	1
Initial contact resistance max		mΩ	150
Life expectancy:			operations
Load	10 kV_{DC}, 1mA		$0,5x10^6$

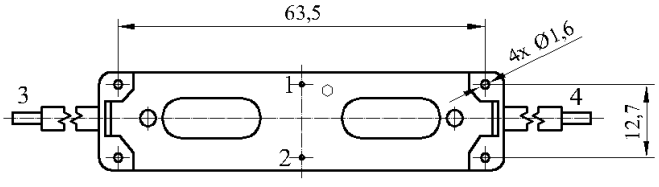
2. COIL PARAMETERS (at 20°C)*

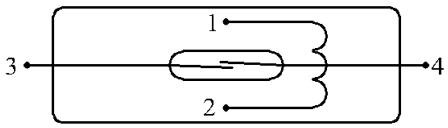
Nominal voltage	V_{DC}	24
Pull-in voltage max	V_{DC}	18
Drop-out voltage min	V_{DC}	2
Coil resistance ±10%	Ω	400
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.		

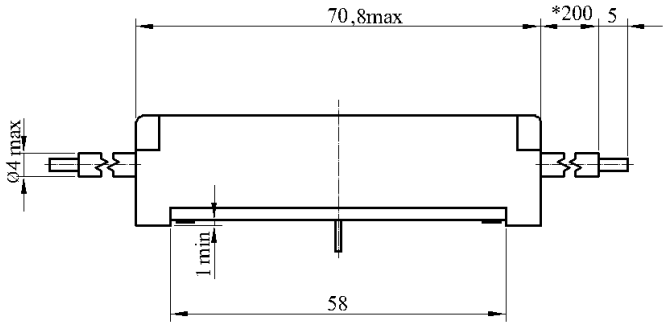
3. RELAY PARAMETERS

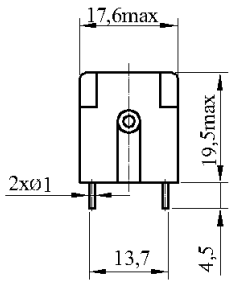
Insulation resistance (at 1000VDC) min	Ω	10^{10} (at 70°C) 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	30
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS









*- Length of wires depends on customer's requirement

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www.dolam.pl

HV reed relays
K-563H

form A contact (normally open)
for PCBs

This product is in accordance with RoHs

PARAMETERS	UNIT	TYPE
		K-563H

1. CONTACT PARAMETERS

Switching power max		W, VA	50
Breakdown voltage min		kV_{DC}	14
Switching voltage (DC or AC PEAK) max		kV	10
Switching current max		A	2
Initial contact resistance max		mΩ	150
Life expectancy:			Operations
Load	10 kV_{DC}, 1mA		$0,5x10^6$

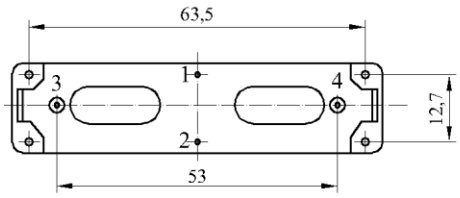
2. COIL PARAMETERS (at 20°C)*

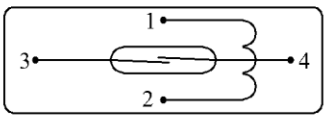
Nominal voltage	V_{DC}	12	24
Pull-in voltage max	V_{DC}	9	18
Drop-out voltage min	V_{DC}	1	2
Coil resistance ±10%	Ω	180	650
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.			

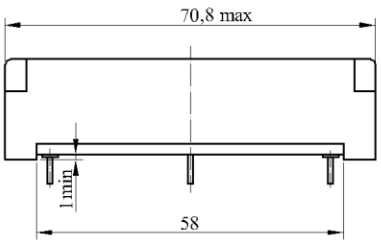
3. RELAY PARAMETERS

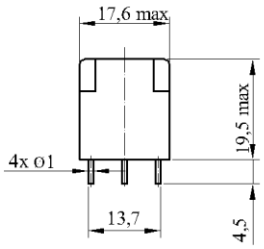
Insulation resistance min	Ω	10^{10} (at 70°C) / 10^{12} (at 20°C)
Operate time including bounces max	ms	3,6
Release time max	ms	0,5
Breakdown voltage coil-contact	kV_{DC}	15
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS









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HV reed relays
K-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_{DC}	7	10
Switching voltage (DC or AC PEAK) max		kV	5	7,5
Switching current max		A	2	
Initial contact resistance max		mΩ	150	
Life expectancy:			operations	
Load 1	5 kV_{DC}, 1mA		$0,5x10^6$	
Load 2	7,5 kV_{DC}, 1mA			$0,5x10^6$

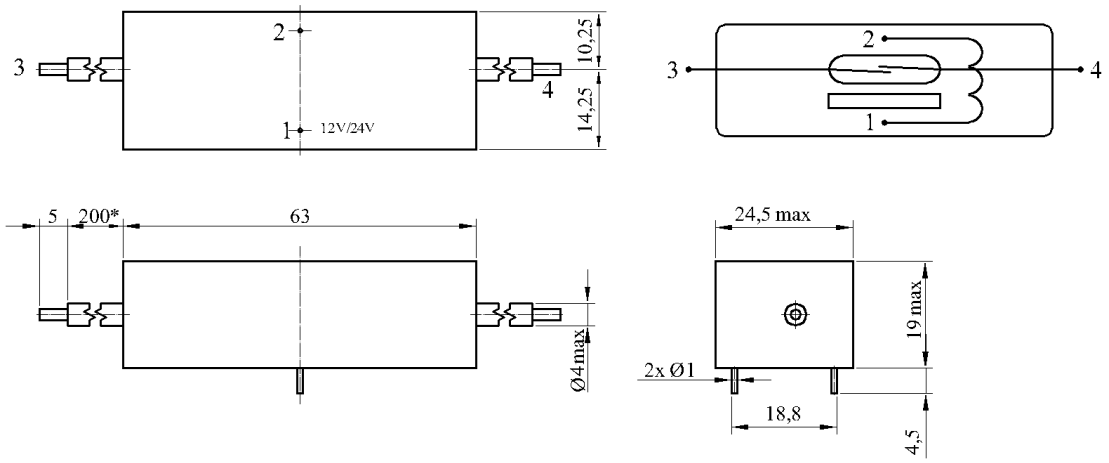
2. COIL PARAMETERS (at 20°C)*

		Min	Nom	Max
Nominal voltage	V_{DC}		12/24	16/30
Pull-in voltage max	V_{DC}	2/4		9/18
Drop-out voltage min	V_{DC}	1,9/3,9		8,9/17,9
Coil resistance ±10%	Ω	225/900	250/1000	275/1100
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.				

3. RELAY PARAMETERS

Insulation resistance (at 1000VDC) min	Ω	10^{11}
Operate time max	ms	2,6
Release time including bounces max	ms	3,6
Breakdown voltage coil-contact min	kV_{DC}	15
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS



* - Length of wires depends on customer's requirement.
- Coil polarity must 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-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_{DC}	7	10
Switching voltage (DC or AC PEAK) max		kV	5	7,5
Switching current max		A	2	
Initial contact resistance max		mΩ	150	
Life expectancy:			operations	
Load 1	5 kV_{DC}, 1mA		$0,5x10^6$	
Load 2	7,5 kV_{DC}, 1mA			$0,5x10^6$

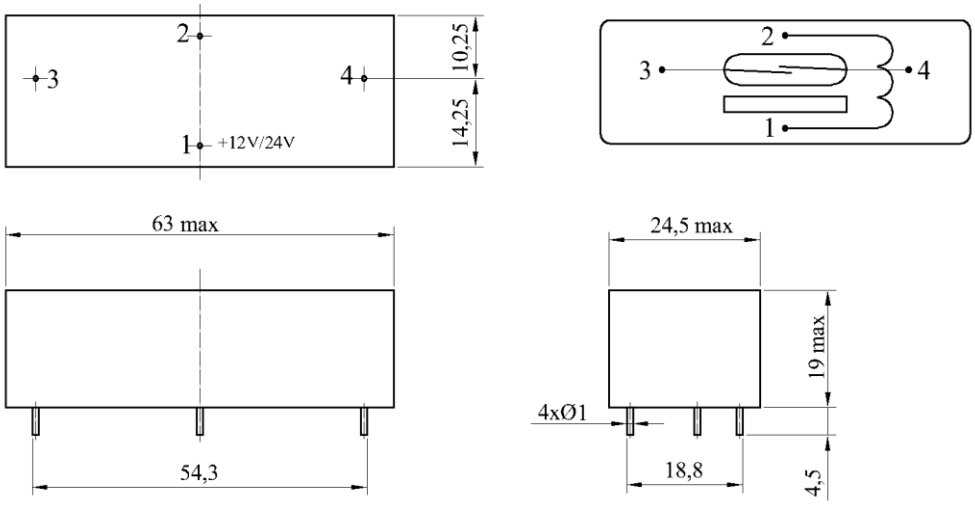
2. COIL PARAMETERS (at 20°C)*

		Min	Nom	Max
Nominal voltage	V_{DC}		12/24	16/30
Pull-in voltage max	V_{DC}	2/4		9/18
Drop-out voltage min	V_{DC}	1,9/3,9		8,9/17,9
Coil resistance ±10%	Ω	225/900	250/1000	275/1100
*The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0,4% per °C.				

3. RELAY PARAMETERS

Insulation resistance (at 1000VDC) min	Ω	10^{11}
Operate time max	ms	2,6
Release time including bounces max	ms	3,6
Breakdown voltage coil-contact min	kV_{DC}	15
Environment category acc. to IEC 68-2-1÷3		40/85/21

4. DIMENSIONS AND TERMINAL ARRANGEMENTS



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