LAUBE TECHNOLOGY
DRY REED RELAYS

CONTACT FORM	CURRENT	PART SERIES	PAGE #'S	
(1A) SPST-NO	1 AMP	D41A...0L	147~148	(Link)
(1A) SPST-NO	1 AMP	D71A.1.0	149~150	(Link)
(1A) SPST-NO	1 AMP	F51A.100	151~152	(Link)
(1A) SPST-NO	1 AMP	F61A.100	137~138	(Link)
(1A) SPST-NO	1 AMP	R011.S06	153~154	(Link)
(1A) SPST-NO	1 AMP	R029.B0.	139~140	(Link)
(1A) SPST-NO	1 AMP	R055.B08	159~160	(Link)
(1B) SPST-NC	1 AMP	D31B.1.0	141~142	(Link)
(1B) SPST-NC	1 AMP	D41A...0L	147~148	(Link)
(1B) SPST-NC	1 AMP	R054.B0.	157~158	(Link)
(1C) SPDT	0.5 AMP	D31C.1.0	143~144	(Link)
(1C) SPDT	1 AMP	R025.W00	155~156	(Link)
(2-1A) 2-SPST-NO	2 AMP	D32A.1.0	145~146	(Link)
EXCEPTIONS				
(1A) 2 COILS	0.4 AMP	R058.B01	161~162	(Link)

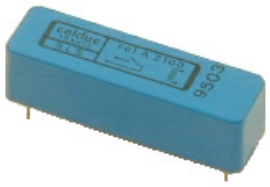
REED RELAY / DRY CONTACT/ 4KVcoil/ contact insulation

For printed circuit board

F61A . 100

One normally open contact

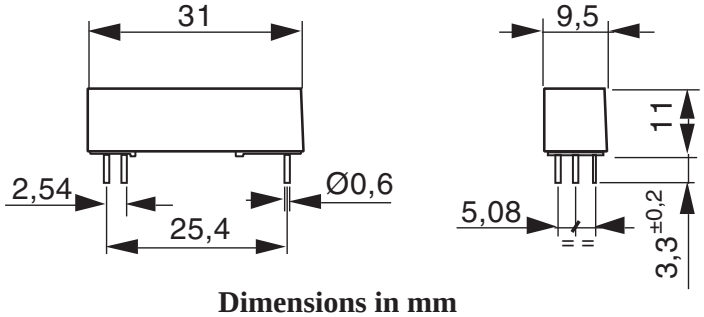
In plastic cover



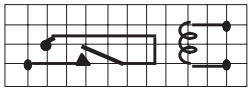
Main characteristics

Coil/contact insulation	**4000V**
Maximum switching voltage	**250 VDC (or peak)**
Maximum switching current	**400 mA**
Nominal current	**1 A**
Contact rating	**12 W**
Contact material	**Rhodium**

REF.	Marking
F61A2100	F61A2100
F61A5100	F61A5100
F61A7100	F61A7100



Dimensions in mm



Wiring : top view
step 2,54 mm

Control data

REF. F61A	2 100	5 100	7 100
Maximum voltage (V)	10	25	50
Nominal voltage (V)	5	12	24
Operate voltage to secure the function from -40 to + 85 °C (V)	3,5	8,4	16,8
Release voltage (V)	0,3	0,7	1,4
Power dissipated on the coil at 20 °C (mW)	72	67	75

Electrical data

Initial contact resistance **(100 mA/ 12 VAC) ≤ 100 mΩ**

F61A	**2 100**	**5 100**	**7 100**
-coil resistance at 20 ℃			
-variation 10 % each 25 ℃	**345Ω**	**2145Ω**	**7845Ω**

Hold-on voltage

- across contacts	**250 Vac**
- between coil and contacts	**4000 Vac**
- between case and contacts	**4000 Vac**
- between case and coil	**1000 Vac**

Insulation resistance

- across contacts	**10^{10} Ω**
- between coil and contacts	**10^{10} Ω**
- between case and contacts	**10^{10} Ω**
- between case and coil	**10^{9} Ω**

Resonance frequency of the switch	**2000 Hz**
Operate time, bounces included	**1 ms**
Release time	**0,1 ms**

Electrical life time **50mV 10mA > 10^{9} op**

5V = 200mA > 90 10^{6}

Mechanical life expectancy **>1. 10^{9} op**

Physical data

Operating temperature	**- 40 ~ + 85 °C**
Storage temperature	**- 40 ~ + 100 °C**
Weight	**4,5 gr. max.**
Shocks (11ms)	**100 g**
Vibrations (50 to 2000 Hz)	**30 g**

REED RELAY / DRY CONTACT

R029 . B0 .

For printed circuit board

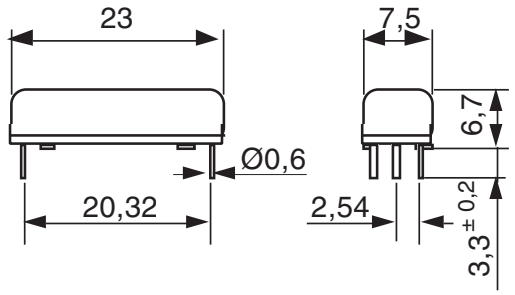
One normally open contact

In metal cover

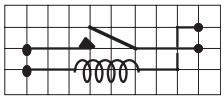
Main characteristics

Maximum switching voltage	**100 VDC (or peak)**
Maximum switching current	**400 mA**
Nominal current	**1 A**
Contact rating	**10 W**
Contact material	**Rhodium**

REF.	Marking	N°RCE
R0292B00	100 R04 292	/
R0293B08	100 R05 293 RCE	043
R0294B08	100 R12 294 RCE	044
R0295B08	100 R24 295 RCE	059



Dimensions in mm



Wiring : top view
step 2,54 mm

Control data

REF.	R0292	R0293	R0294	R0295
Maximum voltage (V)	**8**	**12**	**18**	**32**
Nominal voltage (V)	**4**	**5**	**12**	**24**
Operate voltage to secure the function from -40 to + 85 °C (V)	**2,8**	**3,5**	**8,4**	**16,8**
Release voltage (V)	**0,7**	**1**	**2**	**3**
Power dissipated on the coil at 20 °C (mW)	**65**	**55**	**90**	**210**

Electrical data

Initial contact resistance **(100 mA/ 12 VAC) ≤ 100 mΩ**

	REF.	R0292	R0293	R0294	R0295
-coil resistance at 20 ℃		250Ω	450Ω	1600Ω	2800Ω
-variation 10 % each 25 ℃					

Hold-on voltage

- across contacts	150 Vac
- between coil and contacts	500 Vac
- between case and contacts	300 Vac
- between case and coil	300 Vac

Insulation resistance

- across contacts	10^{10} Ω
- between coil and contacts	10^{10} Ω
- between case and contacts	10^{10} Ω
- between case and coil	10^{9} Ω

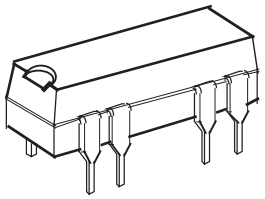
Resonance frequency of the switch	**4000 Hz**
Operate time, bounces included	**1 ms**
Release time	**0,1 ms**

Electrical life time **50mV 10mA > 10^{9} op**
5V = 200mA > 90 10^{6}

Mechanical life expectancy **>1. 10^{9} op**

Physical data

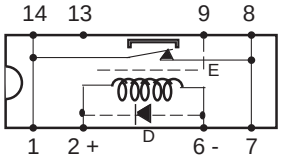
Operating temperature	**- 40 ~ + 85 °C**
Storage temperatur e	**- 40 ~ + 100 °C**
Weight	**3,5 gr. max.**
Shocks (11ms)	**100 g**
Vibrations (50 to 4000 Hz)	**30 g**



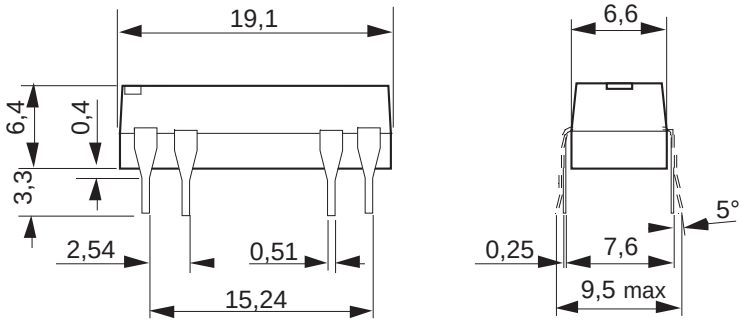
D31B . 1 . 0

DUAL IN LINE REED RELAY / 1 normally closed contact

PIN CONFIGURATION - DIMENSIONS



up view



REFERENCES

D31B . 1 . 0

Nominal input | **Options**

3 **--> 5 V =**	***0*** **--> without option**
5 **--> 12 V =**	***1*** **--> diode (D)**
6 **--> 15 V =**	***2*** **- -> electrostatic shield (E)**
7 **--> 24 V =**	***4*** **- -> (D + E)**

Available references

D31B3100 - D31B3110 - D31B3140

D31B5100 - D31B5110

D31B6110 D31B7100

For others, please contact us

COIL CHARACTERISTICS

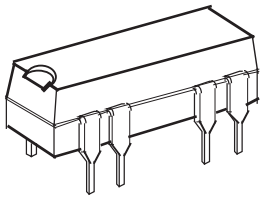
Reference	Coil resistance	Nominal input	MOV	MRV	Max input
	Ω +/- 10 % (at 20°C)	V=	V=	V=	V=
D31B31*0	500	5	3,75	0,8	6
D31B51*0	1000	12	9	1	20
D31B61*0	2150	15	11,5	4	32
D31B71*0	2150	24	18	2	29

ELECTRICAL CHARACTERISTICS

Contact material	rhodium
Position to operate	any
Power switching	max 10 W
Carrying current	1 A
Maximum switching current	500 mA
Maximum switching voltage	100 V peak
Switching frequency max	200 HZ
Insultation resistance	10^{10} Ω
Dielectric strength coil/contacts	1400 VDC
Dielectric strength contact/contact	200 VDC
Operate time typical (bounces included)	1 ms
release time typical (without diode)	50 µs
Contact resistance	150 mΩ max
Life expectancy typical	10 W --> 10^6 op
	50 V - 100mA --> 1.10^7 op
mechanical life expectancy	--> $1. 10^9$ op

GENERAL SPECIFICATIONS

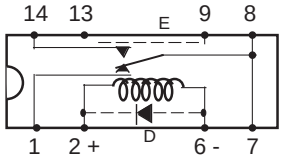
Storage t° range	- 40°C ~ + 105°C
Working t° range	- 40°C ~ + 70°C
Vibrations (30 ~4000 Hz)	30 g
Shocks (11 ms)	100 g
Thermal resistance	85°C/W



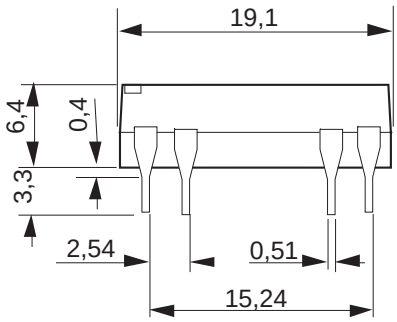
D31C . 1 . 0

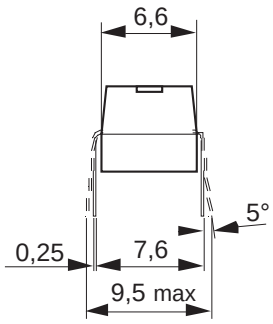
DUAL IN LINE REED RELAY / 1 contact changeover

PIN CONFIGURATION - DIMENSIONS



up view





REFERENCES

D31C . 1 . 0

Nominal input | **Options**

2 **--> 5 V =**	***0*** **--> without option**
5 **--> 12 V =**	***1*** **--> diode (D)**
6 **--> 15 V =**	***2*** **- -> electrostatic shield (E)**
7 **--> 24 V =**	***4*** **- -> (D + E)**

Available references

D31C2100 - D31C2140

D31C5100 - D31C5110 - D31C5140 D31C6110

D31C7100 - D31C7110 - D31C7120

For others, please contact us

COIL CHARACTERISTICS

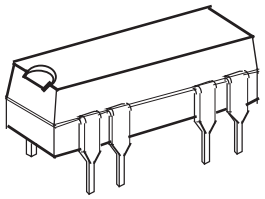
Reference	Coil resistance	Nominal input	MOV	MRV	Max input
	Ω +/- 10 % (at 20°C)	V=	V=	V=	V=
D31C21*0	200	5	3,75	0,8	11
D31C51*0	500	12	9	1	20
D31C61*0	850	15	11,5	4	22
D31C71*0	2150	24	18	2	32

ELECTRICAL CHARACTERISTICS

Contact material	rhodium
Position to operate	any
Power switching	max 3VA
Carrying current	500 mA
Maximum switching current	250 mA
Maximum switching voltage	30 VDC
Switching frequency max	150 HZ
Insultation resistance	10^{10} Ω
Dielectric strength coil/contacts	1400 VDC
Dielectric strength contact/contact	150 VDC
Operate time typical:	1,5 ms
release time typical	2 ms
Initial contact resistance	150 mΩ max
Life expectancy typical	5 V - 5 mA --> 50. 10^6 op
	24 V - 120 mA --> 2. 10^6 op
mechanical life expectancy	--> 1. 10^9 op

GENERAL SPECIFICATIONS

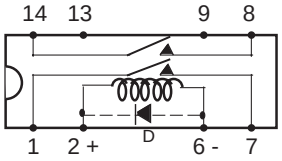
Storage t° range	- 40°C ~ + 105°C
Working t° range	- 40°C ~ + 70°C
Vibrations (30 ~4000 Hz)	30 g
Shocks (11 ms)	20 g
Thermal resistance	85°C/W



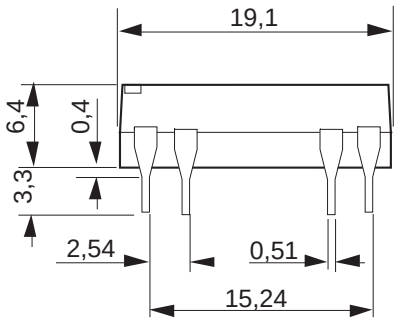
D32A . 1 . 0

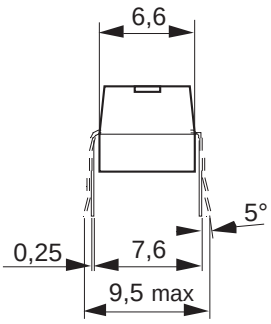
DUAL IN LINE REED RELAY / 2 normally open contacts

PIN CONFIGURATION - DIMENSIONS



up view





REFERENCES

D32A . 1 . 0

Nominal input — **Options**

2 **--> 5 V =** ***0*** **--> sans / *without option***

5 **--> 12 V =** ***1*** **--> diode (D)**

7 **--> 24 V =**

Available references

D32A2100 - D32A2110

D32A5100 - D32A5110

D32A7110

For others, please contact us

COIL CHARACTERISTICS

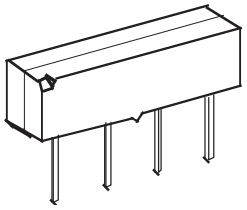
Reference	Coil resistance	Nominal input	MOV	MRV	Max input
	Ω +/- 10 % (at 20°C)	V=	V=	V=	V=
D32A21*0	125	5	3,7	0,8	8
D32A51*0	500	12	9	1	20
D32A71*0	2150	24	18	2	32

ELECTRICAL CHARACTERISTICS

Contact material	rhodium
Position to operate	any
Power switching	max 10 W
Carrying current	1 A
Max switching current	500 mA
Maximum switching voltage	100 V peak
Switching frequency max	200 Hz
Insultation resistance	10^{10} Ω
Dielectric strength coil/contacts	1400 VDC
Dielectric strength contact/contact	200 VDC
Operate time typical (bounces included)	1 ms
release time typical (without diode)	50 µs
Contact resistance	150 mΩ max
Life expectancy typical	10 W --> 10^6 op
	50 V - 100mA --> 1.10^7 op
mechanical life expectancy	--> $1. 10^9$ op

GENERAL SPECIFICATIONS

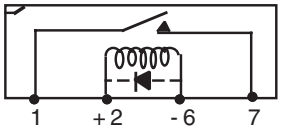
Storage t° range	- 40°C + 105°C
Working t° range	- 40°C + 70°C
Vibrations (30~4000 Hz)	30 g
Shocks (11 ms)	100 g
Thermal resistance	85°C/W

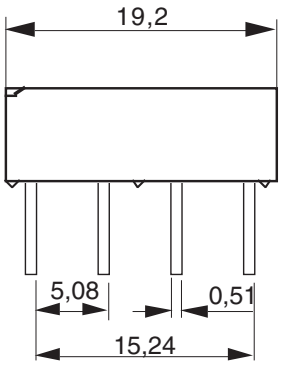


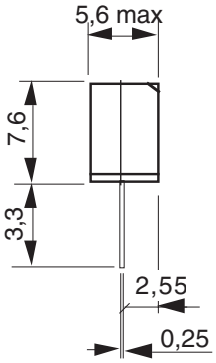
D41A . . . 0L

SINGLE IN LINE REED RELAY / 1 normally open contact

PIN CONFIGURATION - DIMENSIONS







REFERENCES

D41A . . . 0L

Nominal input

3 **--> 5 V =**
5 **--> 12 V =**
7 **--> 24 V =**

Options

0 **--> without option**
1 **--> diode (D)**

1 **--> standard**
2 **--> with test "dynamic contact resistance"**

(see next page)

COIL CHARACTERISTICS

Reference	Coil resistance	Nominal input	MOV	MRV	Max input
	Ω +/- 10 % (at 20°C)	V=	V=	V=	V=
D41A3**0L	500	5	3,7	1	18
D41A5**0L	1000	12	8	2	25
D41A7**0L	2150	24	16	4	37

ELECTRICAL CHARACTERISTICS

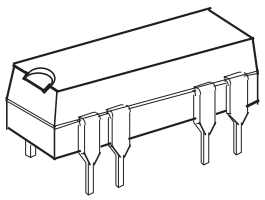
Contact material	**rhodium**
Position to operate	**any**
Power switching	**max 10 W**
Carrying current	**1 A**
Max switching current	**500 mA**
Max switching voltage	**110 VAC / 100 V=**
Min switching level	**10 μV/ 5 10^{-9} A**
Switching frequency max	**200 s^{-1}**
Insultation resistance	**10^{10} Ω**
Breakdown voltage coil/contacts	**750 V~**
Operate time typical	**300 μs**
release time typical	**50 μs**
Static contact resistance	**150 mΩ max**
Dynamic contact resistance *(*)* --->	**△ max - min ≤ 12 mΩ**

(*) **test made only on D41A . 2 . 0L**

Life expectancy typical	**10 W --> 5. 10^6 op**
	5 W --> 1.10^7 op
	dry circuit --> 1. 10^8 op

GENERAL SPECIFICATIONS

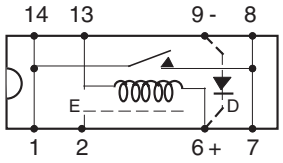
Storage t° range	**- 40°C ~ + 105°C**
Working t° range	**- 40°C ~ + 85°C**
Vibrations	**20 g**
Shocks	**50 g**
Thermal resistance	**85°C/W**



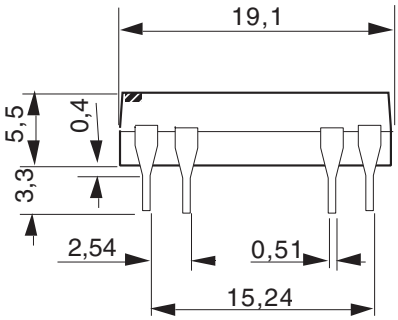
D71A . 1 . 0

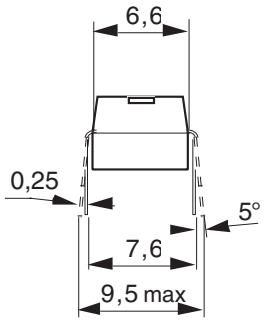
DUAL IN LINE REED RELAY / 1 normally open contact (low profile)

PIN CONFIGURATION - DIMENSIONS



up view





REFERENCES

D71 . 1 . 0

Nominal input | **Options**

2 **--> 5 V =**	***0*** **--> without option**
5 **--> 12 V =**	***1*** **--> diode (D)**
6 **--> 15 V =**	***2*** **--> electrostatic shield (E)**
7 **--> 24 V =**	***4*** **--> (D + E)**

Available references

D71A2100 - D71A2110

D71A5100 D71A6100

D71A7100

For others, please contact us

COIL CHARACTERISTICS

Reference	Coil resistance	Nominal input	MOV	MRV	Max input
	Ω +/- 10 % (20°C)	V=	V=	V=	V=
D71A21*0	380	5	3,5	1	15
D71A51*0	530	12	8	2	18
D71A61*0	2000	15	11,5	3	32
D71A71*0	2000	24	16	4	32

ELECTRICAL CHARACTERISTICS

Contact material	rhodium
Position to operate	any
Power switching	max 10 W
Carrying current	1 A
Max switching current	500 mA
Max switching voltage	100 V peak
Switching frequency max	200 Hz
Insultation resistance	10^{10} Ω
Breakdown voltage coil/contacts	750 V~
Operate time typical (bounces included)	1 ms
release time typical (without diode)	50 µs
Contact resistance	150 mΩ max
Life expectancy typical	10 W --> 10^6 op
	50 V - 100mA --> 1.10^7 op
Mechanical life expectancy typical	--> $1. 10^9$ op

GENERAL SPECIFICATIONS

Storage t° range	- 40°C ~ + 105°C
Working t° range	- 40°C ~ + 85°C
Vibrations (30~4000 Hz)	30 g
Resistance to shocks (11 ms)	100 g
Thermal resistance	85°C/W

REED RELAY / DRY CONTACT

F51A . 100

For printed circuit board

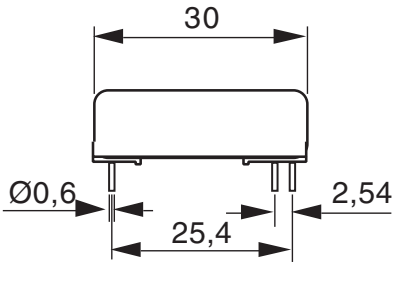
One normally open contact

In metal cover

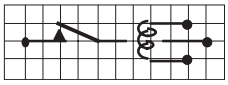
Main characteristics

Maximum switching voltage	**250 VDC (or peak)**
Maximum switching current	**400 mA**
Nominal current	**1 A**
Contact rating	**2 W**
Contact material	**Rhodium**

REF.	Marking
F51A2100	F51A2100
F51A5100	F51A5100
F51A7100	F51A7100



Dimensions in mm



Wiring : top view
step 2,54 mm

Control data

REF. F51A	2 100	5 100	7 100
Maximum voltage (V)	10	25	50
Nominal voltage (V)	5	12	24
Operate voltage to secure the function from -40 to + 85 °C (V)	3,5	8,4	16,8
Release voltage (V)	0,4	1	2
Power dissipated on the coil at 20 °C (mW)	72	67	73

Electrical data

Initial contact resistance **(100 mA/ 12 VAC) ≤ 100 mΩ**

F51A	**2 100**	**5 100**	**7 100**
-coil resistance at 20 *°C*			
-variation 10 *% each 25 °C*	**345Ω**	**2145Ω**	**7845Ω**

Hold-on voltage

- across contacts	**250 Vac**
- between coil and contacts	**500 Vac**
- between case and contacts	**500 Vac**
- between case and coil	**500 Vac**

Insulation resistance

- across contacts	**10^{10} Ω**
- between coil and contacts	**10^{10} Ω**
- between case and contacts	**10^{10} Ω**
- between case and coil	**10^{9} Ω**

Resonance frequency of the switch **2000 Hz**

Operate time, bounces included **1 ms**

Release time **0,1 ms**

Electrical life time **50mV 10mA > 10^{9} op**

5V = 200mA > 90 10^{6}

Mechanical life expectancy **>1. 10^{9} op**

Physical data

Operating temperature **- 40 ~ + 85 °C**

Storage temperature **- 40 ~ + 100 °C**

Weight **4 gr. max.**

Shocks (11ms) **100 g**

Vibrations (50 to 2000 Hz) **30 g**

REED RELAY / DRY CONTACT

R011 . S06

For printed circuit board

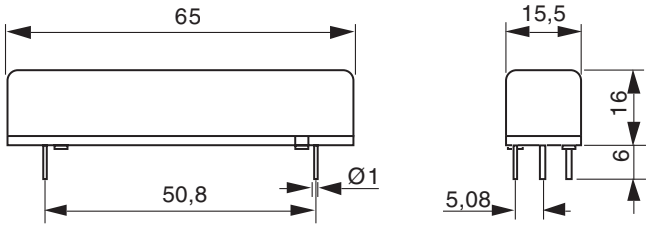
One normally open contact

In metal cover

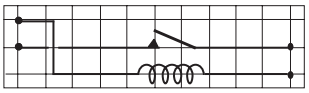
Main characteristics

Maximum switching voltage	**250 VAC (or peak)**
Maximum switching voltage	**3 A**
Nominal current	**5A**
Contact rating	**100 W**
Contact material	**Rhodium**

REF.	Marking
R0115S06	150 R06 115A
R0116S06	150 R12 116A
R0117S06	150 R12 117A



Dimensions in mm



Wiring : top view
step 5,08 mm

Control data

REF.	R0115	R0116	R0117
Maximum voltage (V)	9	18	36
Nominal voltage (V)	6	12	24
Operate voltage to secure the function from -40 to + 85 °C (V)	4,4	8,8	17,6
Release voltage (V)	1,2	2,4	4,8
Power dissipated on the coil at 20 °C (mW)	150	150	150

Electrical data

Initial contact resistance **(100 mA/ 12 VAC) ≤ 50 mΩ**

REF.	R0115	R0116	R0117
-coil resistance at 20 ℃	250Ω	1000Ω	4000Ω
-variation 10 % each 25 ℃			

Hold-on voltage

- across contact	500 Vac
- between coil and contacts	500 Vac
- between case and contacts	500 Vac
- between case and coil	500 Vac

Insulation resistance

- across contacts	10^{10} Ω
- between coil and contacts	10^{10} Ω
- between case and contacts	10^{10} Ω
- between case and coil	10^{9} Ω

Resonance frequency of the switch 800 Hz
Operate time, bounces included 2,5 ms
Release time 0,1 ms

Electrical life time 250V 140mA > 45.10^6 op
110V = 460mA > $3{,}3\ 10^6$
Mechanical life expectancy >$1.\ 10^9$ op

Physical data

Operating temperature - 40 ~ + 85 °C
Storage temperature - 40 ~ + 100 °C
Weight 30 gr. max.
Shocks (11ms) 100 g
Vibrations (10 to 500 Hz) 20 g

REED RELAY / CHANGE OVER DRY CONTACT

R025 . W00

For printed circuit board

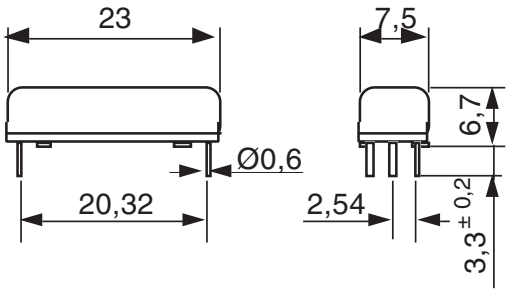
One change over contact

In metal cover

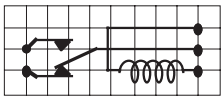
Main characteristics

Maximum switching voltage	**100 VDC (or peak)**
Maximum switching current	**250 mA**
Nominal current	**1 A**
Contact rating	**3 W**
Contact material	**Rhodium**

REF.	Marking
R0250W00	200 R04 250
R0251W00	200 R06 251
R0252W00	200 R12 252
R0253W00	200 R24 253



Dimensions in mm



wiring : top view
step 2,54 mm

Control data

REF.	R0250	R0251	R0252	R0253
Maximum voltage (V)	**8**	**11**	**8**	**32**
Nominal voltage (V)	**4**	**6**	**12**	**24**
Operate voltage to secure the function from -40 to + 85 °C (V)	**2,8**	**4,4**	**8,8**	**17,6**
Release voltage (V)	**0,7**	**1**	**2**	**3**
Power dissipated on the coil at 20 °C (mW)	**210**	**240**	**290**	**320**

Electrical data

Initial contact resistance **(100 mA/ 12 VAC) ≤ 150 mΩ**

-coil resistance at 20 ℃
-variation 10 % each 25 ℃

REF.	R0250	R0251	R0252	R0253
	75Ω	150Ω	500Ω	1800Ω

Hold-on voltage

- **across contacts** **150 Vac**
- **between coil and contacts** **500 Vac**
- **between case and contacts** **500 Vac**
- **between case and coil** **500 Vac**

Insulation resistance

- **across contacts** **10^9 Ω**
- **between coil and contacts** **10^9 Ω**
- **between case and contacts** **10^9 Ω**
- **between case and coil** **10^9 Ω**

Resonance frequency of the switch **4000 Hz**

Max switching time
Test process---> Coil voltage: nominal voltage

Max. operate time	**normally open**	**1,5 ms**
Max. release time	**normally closed**	**2 ms**

Electrical life time **24V = 120mA > 2-10^6 op**
5V 5mA > 50 10^6

Mechanical life expectancy **>1. 10^9 op**

Physical data

Operating temperature	**- 40 + 85 °C**
Storage temperature	**- 40 + 100 °C**
Weight	**3,5 gr. max.**
Shocks (11ms)	**20 g**
Vibrations (50 to 2000 Hz)	**30 g**

REED RELAY / DRY CONTACT

R054 . B0 .

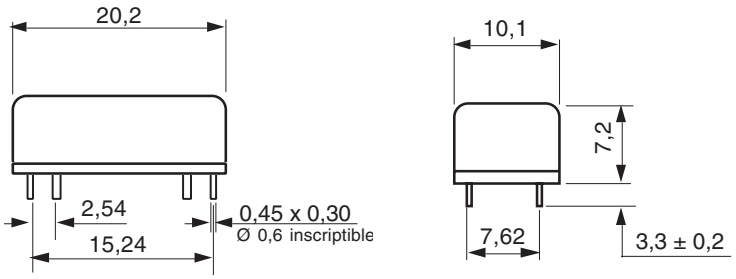
For printed circuit board

One normally closed contact
In metal cover

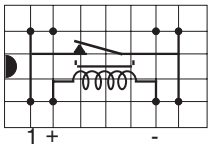
Main characteristics

Maximum switching voltage	**100 VDC (or peak)**
Maximum switching current	**400 mA**
Nominal current	**1 A**
Contact rating	**10 W**
Contact material	**Rhodium**

REF.	Marking	N°RCE
R0542B08	100 R04 542 RCE	074
R0543B08	100 R05 543 RCE	077
R0544B00	100 R12 544	/
R0546B00	100 R24 546	/



Dimensions in mm



Wiring : top view
step 2,54 mm

Control data

REF.	R0542	R0543	R0544	R0546
Maximum voltage (V)	8	8	16	32
Nominal voltage (V)	4	5	12	24
Operate voltage to secure the function from -40 to + 85 °C (V)	2,8	3,5	8	16
Release voltage (V)	0,7	0,8	1	2
Power dissipated on the coil at 20 °C (mW)	80	125	290	270

Electrical data

Initial contact resistance **(100 mA/ 12 VAC) ≤ 100 mΩ**

-coil resistance at 20 ℃

-variation 10 % each 25 ℃

REF.	R0542	R0543	R0544	R0546
	200Ω	200Ω	500Ω	2150Ω

Hold-on voltage

- across contacts	**150 Vac**
- between coil and contacts	**500 Vac**
- between case and contacts	**500 Vac**
- between case and coil	**500 Vac**

Insulation resistance

- across contacts	**10^9 Ω**
- between coil and contacts	**10^9 Ω**
- between case and contacts	**10^9 Ω**
- between case and coil	**10^9 Ω**

Resonance frequency of the switch **4000 Hz**

Operate time, bounces included **1 ms**

Release time **0,1 ms**

Electrical life time **50mV 10mA > 10^9 op**

5V = 200mA > 90 10^6

Mechanical life expectancy **> 1. 10^9 op**

Physical data

Operating temperature	**- 40 ~ + 85 °C**
Storage temperature	**- 40 ~ + 100 °C**
Weight	**4,5 gr. max.**
Shocks (11ms)	**100 g**
Vibrations (50 to 4000 Hz)	**30 g**

REED RELAY / DRY CONTACT

R055 . B08

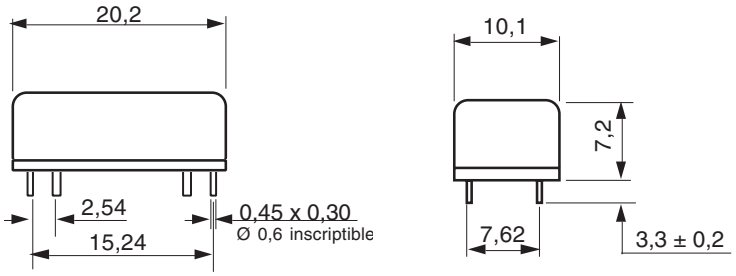
For printed circuit board

One normally open contact
In metal cover

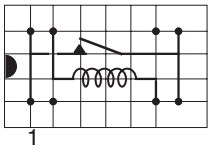
Main characteristics

Maximum switching voltage	**100 VDC (or peak)**
Maximum switching current	**400 mA**
Nominal current	**1 A**
Contact rating	**10 W**
Contact material	**Rhodium**

REF.	Marking	N°RCE
R0550B08	100 R04 550 RCE	075
R0551B08	100 R05 551 RCE	047
R0552B08	100 R12 552 RCE	062
R0553B08	100 R24 553 RCE	048



Dimensions in mm



Wiring : top view
step 2,54 mm

Control data

REF.	R0550	R0551	R0552	R0553
Maximum voltage (V)	18	18	25	37
Nominal voltage (V)	4	5	12	24
Operate voltage to secure the function from -40 to + 85 °C (V)	2,8	3,5	8,4	16,8
Release voltage (V)	0,7	0,8	1	2
Power dissipated on the coil at 20 °C (mW)	32	50	144	270

Electrical data

Initial contact resistance **(100 mA/ 12 VAC) ≤ 100 mΩ**

	REF.	R0550	R0551	R0552	R0553
-coil resistance at 20 ℃		500Ω	500Ω	1000Ω	2150Ω
-variation 10 % each 25 ℃					

Hold-on voltage

- across contacts	150 Vac
- between coil and contacts	500 Vac
- between case and contacts	500 Vac
- between case and coil	500 Vac

Insulation resistance

- across contact	10^9 Ω
- between coil and contacts	10^9 Ω
- between case and contacts	10^9 Ω
- between case and coil	10^9 Ω

Resonance frequency of the switch	**4000 Hz**
Operate time, bounces included	**1 ms**
Release time	**0,1 ms**

Electrical life time	**50mV 10mA > 10^9 op**
	5V = 200mA > 90 10^6
Mechanical life expectancy	**>1. 10^9 op**

Physical data

Operating temperature	**- 40 + 85 °C**
Storage temperature	**- 40 + 100 °C**
Weight	**4 gr. max.**
Shocks (11ms)	**100 g**
Vibrations (50 to 4000 Hz)	**30 g**

REED RELAY / DRY REED BISTABLE CONTACT

For printed circuit board

R058 . B01

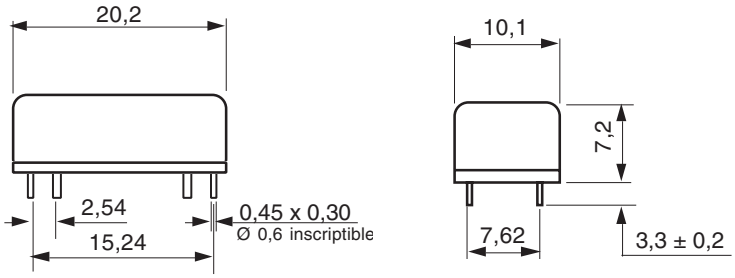
One normally open bistable contact (1L)

In metal cover

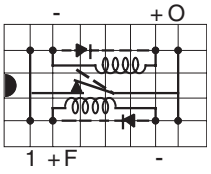
Main characteristics

Maximum switching voltage	**100 VDC or peak**
Maximum switching current	**200 mA**
Nominal current	**400 mA**
Contact rating	**5VA**
Contact material	**Rhodium**

REF.	Marking	N°RCE
R0585B01	100 R05 585D	/
R0582B01	100 R12 582D	/



Dimensions in mm



Wiring : top view
step 2,54 mm

Control data

REF.	R0585	R0582
Maximum voltage (V)	**8**	**16**
Nominal voltage (V)	**5**	**12**
Voltage ensuring change of state (opening or closing) see polarities as shown above	**3,5**	**8**
Power dissipated on the coil at 20 °C (mW)	50	50
Minimal impulse (ms)	**5**	**5**

Electrical data

Initial contact resistance **(100 mA/ 12 VAC)** **≤ 150 mΩ**

REF.	**R0585**	**R0582**
-coil resistance at *20 ℃*	**2x500Ω**	**2x1500Ω**
-variation 10 % each 25 *℃*		

Hold-on voltage

- across contacts	**150 Vac**
- between coil and contacts	**500 Vac**
- between case and contacts	**500 Vac**
- between case and coils	**500 Vac**
- between coils	**100 Vdc**

Insulation resistance

- across contacts	**10_{10} Ω**
- between coil and contacts	**10^{10} Ω**
- between case and contacts	**10^{10} Ω**
- between case and coil	**10^{9} Ω**
- between coils	**10^{9} Ω**

Resonance frequency of the switch	**4000 Hz**
Operate time, bounces included	**1 ms**
Release time	**0,1 ms**

Electrical life time **50mV 10mA > 10^{9} op**

5V = 200mA > 90 10^{6}

Mechanical life expectancy **>1. 10^{9} op**

Physical data

Operating temperature	**- 40 ~ +85 °C**
Storage temperature	**- 40 ~ +85 °C**
Weight	**4 gr. max.**
Shocks (11ms)	**20 g**
Vibrations (50 to 4000 Hz)	**10 g**