



Miniature reed switches

Wroclaw Division of PIT-RADWAR S.A. is a producer of reed switch used to switch small and medium power (miniature reed switches), to switch high power (power reed switches), to switch high voltage (vacum reed switches) and changeover reed switch.

- Miniature reed switches
- Changeover reed switches
- High voltage reed switches



Miniature reed switches apply to connect small and medium power. The high sensitivity (Pull-in Ampere turns) of miniature reed switches allows to apply of permanent magnet.

For contact's materials of miniature reed switches are used Rutenium.

Our company produces three types of miniature reed switches:

- ZM-110/II
- ZM-140/II
- ZM-109/II

Parameters of miniature reed switches are tested in standard coil **CP-14**.

Technical parameter specification of miniature reed switches

Technical data		Unit	Type of reed switch				
			ZM-110/II		ZM-140/II		ZM-109/II
Contact form			normally open (type A)				
Switching power	max	W	10	10		10	
Switching current	max	A	0.5				
Switching voltage DC	max	V _{DC}	150	100		180	
Pull-in Ampere turns		Az	10÷30	10÷20	20÷35	10÷20	20÷40
Breakdown voltage	min	V _{DC}	200	200	250	220	280
Contact resistance	max	mΩ	150	100		150	
Operate time	max	ms	0.5	1		1	
Release time	max	ms	0.3	0.4		0.3	
Capacitance	max	pF	0.5	0.7		0.5	
Insulation resistance	min	Ω	10 ⁹				
Resonant frequency	min	Hz	5000	4000		2600	

Note

- Should the reed switches be used to switch loads different than resistive we recommend to apply a circuit protecting contacts against excessive wearing out.
- Cutting and/or bending leads may cause the increasing of AT-value.

Dimension of miniature reed switches (all dimension in mm)

Dimension	ZM-110/II	ZM-140/II	ZM-109/II
A	max 41.8	max 44.7	max 55.0
B	max 10.0	max 14.2	max 20.0
C	max 1.8	max 2.3	max 2.54
D	max 0.47	max 0.55	max 0.65

