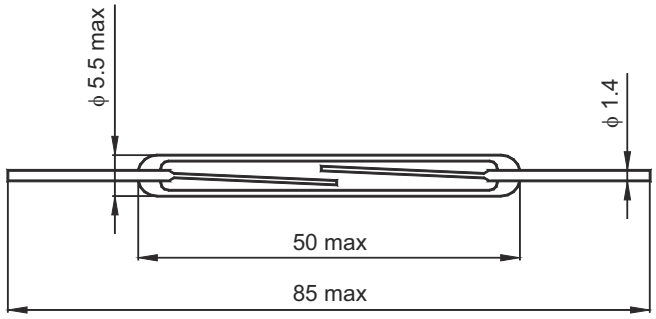
PIT-RADWAR S.A.
WROCLAW DIVISION
50-425 Wrocław, ul. Krakowska 64, Poland
tel. (+48) 71/342-65-54, fax (+48) 71/342-58-59
e-mail: sales@dolam.pl
www.dolam.pl

DOLAM

Standard reed switch ZW-103

This product is in accordance with RoHs



all dimensions in mm

PARAMETERS		Unit	TYPE ZW-103	
Contact form			normally open	
Switching power	max	W,VA	60	
Switching current	max	A	3	
Carry current	max	A	5	
Switching voltage	max	V_{DC}	300	400*
Switching voltage	max	V_{AC}	230	250*
Pull-in Ampere turns		AT	40 ÷ 60	60 ÷ 100
Contact resistance	max	mΩ	100	
Operate time incl. bounce time	max	ms	2.5	
Release time	max	ms	0.2	
Breakdown voltage	min	V_{DC}	500	600
Capacitance	max	pF	0.8	
Insulation resistance	min	Ω	10^{10}	
Environment category acc. to IEC 68-1			55/100/10	
Operating life tested with resistive loads Load 60 V_{DC}, 1 A			$10x10^6$ operations	
Test coil - No. of turns - Dimensions - Resistance		mm Ω	CP-11 10000 ϕ0.09 ϕ7.6x50 850	acc. Polish Standard PN-75/T-04400

* Over 230 V_{AC} or 300 V_{DC} the arc discharge may deteriorate the contact layer. Therefore the switching current should be reduced for example to 2 mA at the 250 V_{AC} or 400 V_{DC}.

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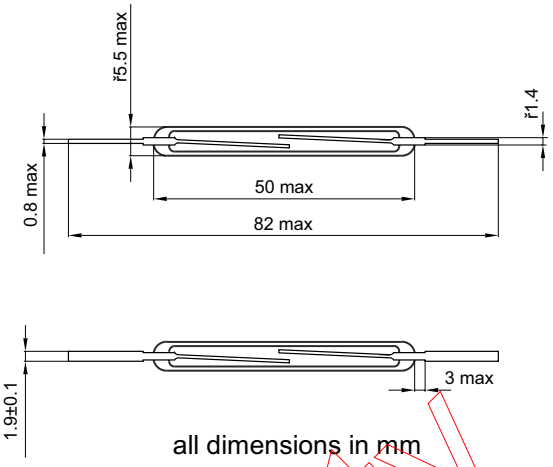
DOLAM

Standard reed switch ZW-103R

This product is in accordance with RoHs



all dimensions in mm

PARAMETERS		Unit	TYPE ZW-103R	
Contact form			normally open	
Switching power	max	W,VA	60	
Switching current	max	A	3	
Carry current	max	A	5	
Switching voltage	max	V_{DC}	300	400*
Switching voltage	max	V_{AC}	230	250*
Pull-in Ampere turns		AT	40 ÷ 60	60 ÷ 100
Contact resistance	max	mΩ	100	
Operate time incl. bounce time	max	ms	2.5	
Release time	max	ms	0.2	
Breakdown voltage	min	V_{DC}	500	600
Capacitance	max	pF	0.8	
Insulation resistance	min	Ω	10^{10}	
Environment category acc. to IEC 68-1			55/100/10	
Operating life tested with resistive loads Load 60 V_{DC}, 1 A			$10x10^6$ operations	
Test coil - No. of turns - Dimensions - Resistance		mm Ω	CP-11 10000 ϕ 0.09 ϕ 7.6x50 850	acc. Polish Standard PN-75/T-04400

* Over 230 V_{AC} or 300 V_{DC} the arc discharge may deteriorate the contact layer. Therefore the switching current should be reduced for example to 2 mA at the 250 V_{AC} or 400 V_{DC}.

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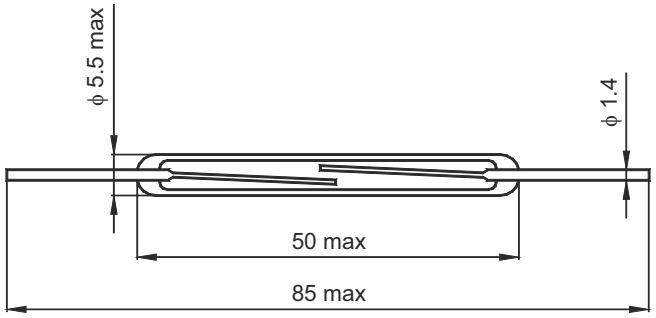
DOLAM

Standard reed switch ZW-104

This product is in accordance with RoHs

For switching of inductive loads and halogen lamps.
Contact material - plasma deposited tungsten.



all dimensions in mm

PARAMETERS		Unit	TYPE ZW-104	
Contact form			normally open	
Switching power	max	W,VA	180	
Switching current	max	A	3 (7*)	
Carry current	max	A	5	
Switching voltage	max	V_{DC}	300	400**
Switching voltage	max	V_{AC}	230	250**
Pull-in Ampere turns		AT	40 ÷ 60	60 ÷ 110
Contact resistance	max	mΩ	150***	
Operate time incl. bounce time	max	ms	2.5	
Release time	max	ms	0.2	
Breakdown voltage	min	V_{DC}	400	600
Capacitance	max	pF	0.8	
Insulation resistance	min	Ω	10^{10}	
Environment category acc. to IEC 68-1			55/100/10	
Operating life tested with resistive loads Load 100 V_{DC}, 1 A			$1x10^5$ operations	
Test coil - No. of turns - Dimensions - Resistance		mm Ω	CP-11 10000 ϕ 0.09 ϕ7.6x50 850	acc. Polish Standard PN-75/T-04400

* Current rush within max 2ms.

** Over 230 V_{AC} or 300 V_{DC} the arc discharge may deteriorate the contact layer. Therefore the switching current should be reduced for example to 2 mA at the 250 V_{AC} or 400 V_{DC}.

*** Contact resistance is measured with an open contact voltage of 36V and the current through the closed contacts of 50 mA, using the 4-point method.

No 6/03.2009

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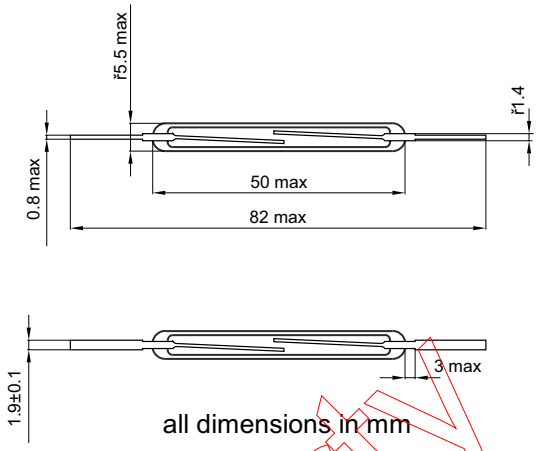
DOLAM

Standard reed switch ZW-104R

This product is in accordance with RoHs

For switching of inductive loads and halogen lamps.
Contact material - plasma deposited tungsten.



all dimensions in mm

PARAMETERS		Unit	TYPE ZW-104R	
Contact form			normally open	
Switching power	max	W,VA	180	
Switching current	max	A	3 (7*)	
Carry current	max	A	5	
Switching voltage	max	V_{DC}	300	400**
Switching voltage	max	V_{AC}	230	250**
Pull-in Ampere turns		AT	40 ÷ 60	60 ÷ 110
Contact resistance	max	mΩ	150***	
Operate time incl. bounce time	max	ms	2.5	
Release time	max	ms	0.2	
Breakdown voltage	min	V_{DC}	400	600
Capacitance	max	pF	0.8	
Insulation resistance	min	Ω	10^{10}	
Environment category acc. to IEC 68-1			55/100/10	
Operating life tested with resistive loads Load 100 V_{DC}, 1 A			$1x10^5$ operations	
Test coil - No. of turns - Dimensions - Resistance		 mm Ω	CP-11 10000 ϕ 0.09 ϕ7.6x50 850	 acc. Polish Standard PN-75/T-04400

* Current rush within max 2ms.

** Over 230 V_{AC} or 300 V_{DC} the arc discharge may deteriorate the contact layer. Therefore the switching current should be reduced for example to 2 mA at the 250 V_{AC} or 400 V_{DC}.

*** Contact resistance is measured with an open contact voltage of 36V and the current through the closed contacts of 50mA, using the 4-point method.

No4/03.2009