

SENSOR PRODUCTS | Reed Switches

Reed Switch Technology

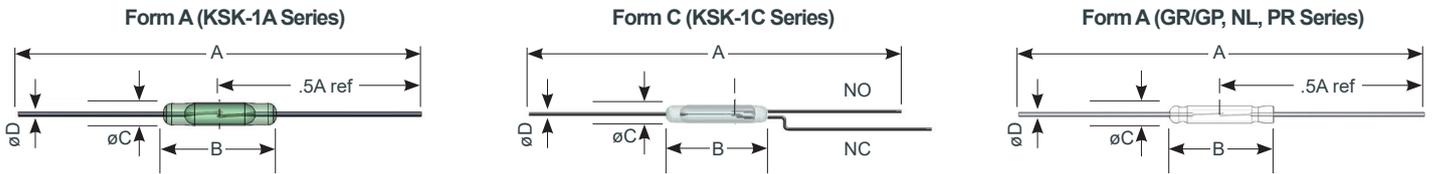
Standex-Meder offers the most comprehensive listing of reed switches that cover the majority of low power switching requirements. Reed relays and reed sensors both use the reed switch as the heart of their switching mechanism. New applications continue to arise at a significant pace for both products because of the reed switch's unique switching capability. What is driving these new applications is the ever broadening of new reed relay, reed sensor and fluid level designs by Standex-Meder.

For example, Standex-Meder offers a reed switch where the overall glass length is only 3.95 mm long (KSK-1A04) - the smallest in the industry. These small sizes pave the way for unique new applications in RF switching, medical applications and many more applications.

Because reed switches are hermetically sealed (glass to metal seal) they are impervious to almost all environments. This opens up a vast number of applications where they are the only technology capable of meeting specific requirements where certain mechanical switches and semiconductor switches are environmentally limited. Many thousands of reed switch applications currently exist with many more added on a regular basis. These applications span across all the major market segments.

Our engineers are always available to discuss your design requirements where specialized packaging is available in a very economical manner.

With the recent acquisition of the KOFU (formerly OKI) reed switch manufacturing our portfolio includes the ORD228VL, ORD324, ORD219, ORD211, ORD213, ORD2210V, ORD229, ORD872, ORT551, among others.



Form A

Dimensions in mm (inches) Overall Length: Glass Length Max.: Glass Dia Max.: Lead Dia.:	GP400 * Miniature A - 54 (2.125) B - 10 (0.394) C - 1.9 (0.075) D - 0.43 (0.017)	KSK-1A04 * Ultraminiature A - 34.5 (1.358) B - 3.95 (0.155) C - 1.5 (0.059) D - 0.8 (0.031) x 0.15 (0.006) max World's Smallest/Flat Lead	KSK-1A80 * Ultraminiature A - 35.8 (1.410) B - 7 (0.275) C - 1.8 (0.070) D - 0.3 (0.011) Close Differential	KSK-1A87 Miniature A - 35.7 (1.405) B - 10 (0.393) C - 2 (0.078) D - 0.4 (0.015) Long Life
Dimensions in mm (inches) Overall Length: Glass Length Max.: Glass Dia Max.: Lead Dia.:	KSK-1A35 * Miniature A - 34.5 (1.358) B - 10.5 (0.413) C - 2.1 (0.082) D - 1.2 (0.047) x 0.2 (0.008) Flat Lead	KSK-1A35/1 * Miniature/High Voltage A - 34.5 (1.358) B - 10.5 (0.413) C - 2.1 (0.082) D - 1.2 (0.047) x 0.2 (0.008) Flat Lead	KSK-1A31 Miniature/High Power A - 41 (1.614) B - 11 (0.433) C - 2.2 (0.086) D - 0.5 (0.019)	1A 10-40 AT 10W/200VDC/0.5A DC
Dimensions in mm (inches) Overall Length: Glass Length Max.: Glass Dia Max.: Lead Dia.:	KSK-1A46 Miniature A - 44.3 (1.744) B - 12 (0.472) C - 2 (0.078) D - 0.5 (0.019) Close Differential	GR/GP501 * Miniature A - 54 (2.125) B - 12.7 (0.5) C - 2.3 (0.090) D - 0.45 (0.017) High Stability (GP)	KSK-1A66 * Miniature A - 44.3 (1.744) B - 14 (0.551) C - 2.2 (0.086) D - 0.5 (0.019) High Performance	KSK-1A66/3 * Miniature A - 44.3 (1.744) B - 14 (0.551) C - 2.2 (0.086) D - 0.5 (0.019)

We reserve the right to make any changes according to technological progress or further developments.

* Most Used

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Form A

	GR/GP560 *	PR560	KSK-1A82	KSK-1A55
	Miniature	AC Line Voltage/Miniature	High Power	High Power
Dimensions in mm (inches)	A - 54 (2.125) B - 14.2 (0.559) C - 2.3 (0.090) D - 0.6 (0.023)	A - 54 (2.125) B - 14.2 (0.559) C - 2.3 (0.090) D - 0.6 (0.023)	A - 44.1 (1.736) B - 16.5 (0.649) C - 2.8 (0.110) D - 0.6 (0.023)	A - 44.1 (1.736) B - 16.5 (0.649) C - 2.8 (0.110) D - 0.6 (0.023)
Specifications	High Stability (GP)		High Current	
Contact Form:	1A	1A	1A	1A
Pull-In Range:	10-50 AT	20-40 AT	30-35 AT	15-60 AT
Rated Power Max.:	10W/200VDC/1.0A DC/AC	10W/250VAC/100 VDC/1.0A DC/AC	120W/150VDC/3A DC	50W/100VDC/0.5A DC
	GR100	NL126	PR126	KSK-1A52
	High Power	High Power	High Power	High Power
Dimensions in mm (inches)	A - 54 (2.125) B - 20.0 (0.787) C - 2.5 (0.098) D - 0.6 (0.023)	A - 54 (2.125) B - 20.3 (0.799) C - 2.5 (0.098) D - 0.7 (0.027)	A - 54 (2.125) B - 20.3 (0.799) C - 2.5 (0.098) D - 0.7 (0.027)	A - 55.4 (2.181) B - 21 (0.826) C - 2.75 (0.108) D - 0.6 (0.023)
Specifications			Line Voltage	
Contact Form:	1A	1A	1A	1A
Pull-In Range:	10-40 AT	20-50 AT	20-50 AT	15-70 AT
Rated Power Max.:	10W/200VDC/1.0A DC/AC	50W/200VDC/150 VAC/1.5A DC/AC	70W/300VDC/200 VDC/1.5A DC/AC	50W/350VDC/0.7A DC
	KSK-1A85 *	KSK-1A69	KSK-1A83	KSK-1A33
	High Power/Voltage	High Power/Voltage	High Power/Voltage	High Power/Voltage
Dimensions in mm (inches)	A - 55.5 (2.185) B - 21 (0.826) C - 2.75 (0.108) D - 0.6 (0.023)	A - 81.6 (3.212) B - 53.4 (2.102) C - 5.4 (0.212) D - 2.49 (0.098) x 0.54 (0.213)	A - 81.6 (3.212) B - 53.4 (2.102) C - 5.4 (0.212) D - 2.49 (0.098) x 0.54 (0.213)	A - 79.0 (3.110) B - 52.0 (2.047) C - 5.4 (0.212) D - 0.5 (0.019)
Specifications		Flat Lead/High Current	Flat Lead/High Current	High Current
Contact Form:	1A	1A	1A	1A
Pull-In Range:	15-55 AT	95-170 AT	100-150 AT	80-100 AT
Rated Power Max.:	100W/1000VDC/1A DC	50W/1000VDC/3A DC	50W/750VDC/3A DC	50W/1000VDC/3A DC

Form B

	KSK-1A53	KSK-1A54	KSK-1B85
	High Frequency	High Frequency	High Power/Voltage
Dimensions in mm (inches)	A - 55 (2.165) B - 20.5 (0.807) C - 2.8 (0.110) D - 0.6 (0.023)	A - 81.6 (3.212) B - 53.4 (2.102) C - 5.4 (0.212) D - 1.3 (0.051)	A - 55.5 (2.185) B - 21 (0.826) C - 2.75 (0.108) D - 0.6 (0.023)
Specifications			Normally Closed
Contact Form:	1A	1A	1B
Pull-In Range:	15-55 AT	95-170 AT	20-30 AT
Rated Power Max.:	10W/200VDC/1A DC	25W/500VDC/1.5A DC	100W/1000VDC/1A DC

Form C

	KSK-1C90U *	KSK-1C90F	KSK-1C10	KSK-1E85
	SPDT/Miniature	SPDT/Miniature	SPDT/High Power	High Power/Voltage
Dimensions in mm (inches)	A - 56.1 (2.208) B - 14 (0.551) C - 2.54 (0.1) D - 0.5 (0.019)	A - 54.5 (2.145) B - 14 (0.551) C - 2.54 (0.1) D - 0.5 (0.019)	A - 86.1 (3.390) B - 34.3 (1.350) C - 5.16 (0.203) D - 1.01 (0.040)	A - 55.5 (2.185) B - 21 (0.826) C - 2.75 (0.108) D - 0.6 (0.023)
Specifications		NC Dog Leg Bend	High Current	Latching
Contact Form:	1C	1C	1C	1E
Pull-In Range:	15-40 AT	15-40 AT	60-80 AT	20-30 AT
Rated Power Max.:	10W/175VDC/0.5A DC	10W/175VDC/0.5A DC	100W/500VDC/3A DC	100W/350VDC/1A DC

Form E

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