	Europe: +49 / 7731 8399 0	Email: info@standexmeder.com	Item No.:
	USA: +1 / 508 295 0771	Email: salesusa@standexmeder.com	**3312175171**
	Asia: +852 / 2955 1682	Email: salesasia@standexmeder.com	Item:
			SIL12-1A75-71D

Standex MEDER ELECTRONICS

Dimensions mm[inch]
tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m

19,8max.

5,08

3,5 ±0,2

7,80max.

0,5x0,25

5,08

15,24

MEDER electronic
SIL12-1A75-71D YW/P

Isometric
Scale 2:1
Maßstab 2:1

MEDER electronic
SIL12-1A75-71D YW/P

Layout
Top view
Draufsicht

1   3   5   7

Marking
according to EN60062/factory code
gem. EN60062/Fertigungsstätte

MEDER electronic
SIL12-1A75-71D YW/P

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		900	1.000	1.100	Ohm
Coil voltage			12		VDC
Rated power			144		mW
Coil current			12		mA
Thermal resistance			109		K/W
Pull-In voltage				8,4	VDC
Drop-Out voltage		1,8			VDC

Contact data 75	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage (<31 AT)	DC or Peak AC			500	V
Switching current	DC or Peak AC			0,5	A
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive Start Value			200	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage (20-30 AT)	according to EN 60255-5	1.000			VDC
Operate time incl. bounce	measured with 40% overdrive			0,5	ms
Release time	measured with no coil excitation			0,1	ms
Capacity	@ 10 kHz across open switch		0,4		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC Measuring Voltage	1			TOhm
Housing material		epoxy resin			
Connection pins		CuFe2P tin plated			
Reach / RoHS conformity		yes			
Approval		UL-File Nr. NRNT2.E156887 / NRNT8.E156887			

Modifications in the sense of technical progress are reserved

Designed at:	07.08.06	Designed by:	KMUELLER	Approval at:	31.10.08	Approval by:	KOLBRICH		
Last Change at:	25.02.16	Last Change by:	THAUKE	Approval at:	03.03.16	Approval by:	DSTASTNY	**Version:**	4

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Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Total weigth			1,6		g
Packaging		Tube per 25 piece			

Designed at:	07.08.06	Designed by:	KMUELLER	Approval at:	31.10.08	Approval by:	KOLBRICH
Last Change at:	25.02.16	Last Change by:	THAUKE	Approval at:	03.03.16	Approval by:	DSTASTNY

Version: 4