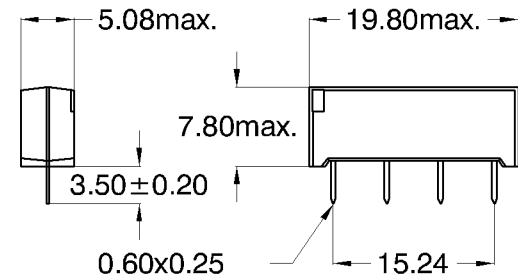
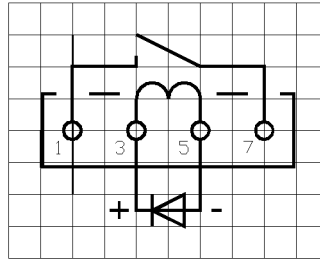


**Dimensions (Tolerance ±0.1)**

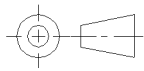
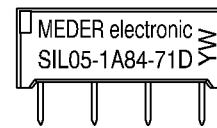


**Layout 71D Pitch 2.54/Top View**



**Marking**

Typ Layout  
 Production Code  
 EN 60062



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
Thermal resistance	max. Relay temperature = operating temperature + self heating		109		K/W
Pull-In voltage				8,4	VDC
Drop-Out voltage		1,8			VDC

Contact data 84	Conditions	Min	Typ	Max	Unit
Contact-material		Rhodium			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC			400	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			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	100			GOhm
Breakdown voltage	according to IEC 255-5	700			VDC
Operate time incl. bounce	measured with 40% overdrive			2	ms
Release time	measured with no coil excitation			0,1	ms
Capacity	@ 10 kHz across open switch		0,7		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	1,5			kV DC
Number of contacts			1		
Sealing compound		Polyurethan			
Housing material					
Connection pins		cu-alloy tinned			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			30	g

Modifications in the sense of technical progress are reserved

Designed at: 09.03.04    Designed by: SCHELLHORN    Approval at: 31.10.08    Approval by: KOLBRICH  
 Last Change at: 20.07.09    Last Change by: KSCHIELENSKI    Approval at: 20.07.09    Approval by: KOLBRICH

Version: 03



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Europe: +49 / 7731 8399 0 | Email: info@meder.com  
USA: +1 / 508 295 0771 | Email: salesusa@meder.com  
Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:  
**3312184171**  
Item:  
**SIL12-1A84-71D**

Environmental data	Conditions	Min	Typ	Max	Unit
Ambient temperature	excepted socket contact	-20		85	°C
Storage temperature		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.				
Cleaning					fully sealed

Modifications in the sense of technical progress are reserved

Designed at: 09.03.04    Designed by: SCHELLHORN    Approval at: 31.10.08    Approval by: KOLBRICH  
Last Change at: 20.07.09    Last Change by: KSCHIELENSKI    Approval at: 20.07.09    Approval by: KOLBRICH

Version: 03