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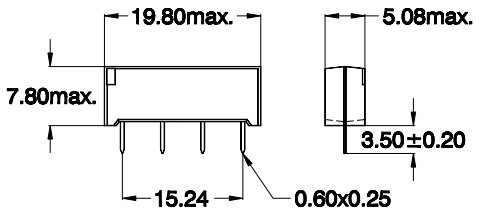
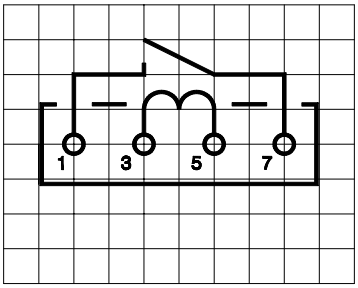
type: SIL05-BV50079

part number: 3305050079

dimensions (tolerance ± 0,1mm)

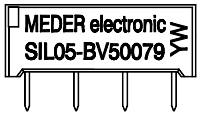


layout 71L **pitch** 2,54 / **top view**



marking

Type
data-code EN 60062



coil data	condition	Min.	Typ.	Max.	unit
coil resistance	at 20°C	450		550	Ω
nominal voltage			5,0		VDC
pull-in voltage				3,5	VDC
drop-out voltage		0,75			VDC
coil voltage	at 20°C			23,0	VDC
coil voltage	at 60°C			14,0	VDC
nominal power	determined with nominal voltage and rated current		50		mW

contact data (Form A/Dry)					
contact material		Ruthenium			
rated power	each combination of the switching voltage and current must not exceed the given rated power			20	W
switching voltage				200	VDC
switching current				1,0	A
carry current				1,25	A
static contact resistance	initial values measured with 1,4 x $AT_{pull-in}$			150	mΩ
Insulation resistance	RH Ω 45%	10^{12}	10^{13}		Ω
breakdown voltage		250			VDC
capacitance	without test coil			0,2	pF

life expectations					
Switching 0.5V @ 10mA	DC, resistive Load		1 x 10^9		cycles
Switching 10V @ 100mA	DC, resistive Load		1 x 10^8		cycles
Switching 20V @ 500mA	DC, resistive Load		1 x 10^7		cycles

relay data					
insulation resistance coil-contact		10^{12}	10^{14}		Ω
insulation voltage coil-contact		1,5			kVDC
shock	½ sine wave, duration 11ms			30	g
vibration	50 – 2000Hz			10	g
operate time incl. bounce	measured at 1,4 x $AT_{pull-in}$		0,5		ms
release time			0,1		ms

general data					
operating temperature		-20		70	°C
storing temperature		-35		95	°C
soldering temperature	3,5 ± 0,5 sec. at			260	°C
cleaning		fully sealed			
material of case		mineral-filled epoxy			
material of pins		nickel-iron alloy tinned			