



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		198	220	242	Ohm
Coil voltage			5		VDC
Rated power			110		mW
Coil current			22		mA
Pull-In voltage				3.75	VDC
Drop-Out voltage		0.5			VDC

Contact Data 85	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			100	W
Switching voltage	DC or Peak AC			1,000	V
Switching current	DC or Peak AC			1	A
Carry current	DC or Peak AC 100% Duty Cycle			2.5	A
Pulsed carry current	DC or Peak AC 5ms after coil excitation for 50ms max.			3	A
Contact resistance static	Measured with 40% overdrive			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage		2			kV DC
Operate time incl. bounce	measured with 40% overdrive			1.1	ms
Release time	measured with no coil suppression			0.1	ms
Capacitance	@ 10 kHz across open switch		0.5		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Dielectric Strength Coil/Contact	according to EN 60255-5	4			kV DC
Housing material		epoxy resin			
Connection pins		FeNi42, tin plated			
Magnetic Shield		Internal Mu Metal Shield			
Reach / RoHS conformity		yes			



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Item No.:

**3305185578**

Item:

**SHV05-1A85-78D2K**

**SIL05-1A85-78D2K**

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		-40		105	°C
Storage temperature		-40		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Packaging		Tube per 20 pcs.			

Modifications in the sense of technical progress are reserved

Designed at: 11/24/15    Designed by: THAUKE

Approval at: 11/27/15    Approval by: JHEYDER

Last Change at:            Last Change by:

Approval at:                Approval by:

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