



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		900	1.000	1.100	Ohm
Coil voltage			24		VDC
Rated power			576		mW
Thermal Resistance			24		K/W
Pull-In voltage				18	VDC
Drop-Out voltage		2			VDC

Contact data 83	Conditions	Min	Typ	Max	Unit
Contact-No.				83	
Contact-form				A	
Contact-material				Tungsten	
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			50	W
Switching voltage	DC or Peak AC			7.500	V
Switching current	DC or Peak AC			3	A
Carry current	DC or Peak AC			5	A
Contact resistance static	measured with nominal voltage at 20 °C			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage	according to IEC 255-5	10.000			VDC
Operate time incl. bounce	measured with nominal voltage at 20 °C			3,2	ms
Release time	measured with no coil excitation			1,5	ms
Capacitance	@ 10 kHz across open switch		1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Dielectric Strength Coil/Contact	according to IEC 255-5	10			kV DC
Housing material		UL94-HB File-No. E45329 (M); Lexan 141R / GE			
Mounting or coil material		UL94-V-0 File No. QMFZ-2. E42337; CELANEX PBT			
Sealing compound		UL94-V2 File-No E72640 (M) PU E8702 FW-Z/Herberts			
Connection pins		cu-alloy tinned			
Number of contacts		1			



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Item No.:  
**8424183158**  
Item:  
**HM24-1A83-150-UL**

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-35		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

Modifications in the sense of technical progress are reserved

Designed at: 19.04.04    Designed by: EBUNKE  
Last Change at: 19.01.09    Last Change by: WKOVACS

Approval at: 27.01.09    Approval by: KOLBRICH  
Approval at:    Approval by:

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