



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		135	150	165	Ohm
Coil voltage			12		VDC
Rated power			960		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		24		K/W
Pull-In voltage				9	VDC
Drop-Out voltage		1			VDC

Contact data 69	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			50	W
Switching voltage	DC or Peak AC			10,000	V
Switching current	DC or Peak AC			3	A
Carry current	DC or Peak AC			5	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			TOhm
Breakdown voltage	according to IEC 255-5	11			kV DC
Operate time incl. bounce	measured with 40% overdrive			3	ms
Release time	measured with no coil excitation			1,5	ms
Capacitance	@ 10 kHz across open switch		0,8		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts				1	
Contact - form				B - NC	
Dielectric Strength Coil/Contact	according to IEC 255-5	15			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Case colour				grey	
Housing material				Polycarbonat	
Sealing compound				Polyurethan	
Connection pins				Copper alloy tin plated	
Reach / RoHS conformity				yes	
Cable type				silicon high-voltage wire AWG20 Style 3239, 15kVDC	
Cable type				round cable	



Products for tomorrow...

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.:
8412569300
Item:
HM12-1B69-300

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		-25		85	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

Modifications in the sense of technical progress are reserved

Designed at: 27.04.09 Designed by: WKOVACS
Last Change at: 19.06.12 Last Change by: WKOVACS

Approval at: 29.04.09 Approval by: KOLBRICH
Approval at: 21.06.12 Approval by: DRUDOLF

Rev. No.: 03