



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		225	250	275	Ohm
Coil voltage			12		VDC
Rated power			576		mW
Coil current			48		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		25		K/W
Inductance			280		mH
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	kV
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	10			TOhm
Breakdown voltage	according to EN 60255-5	11			kV DC
Operate time incl. bounce	measured with 40% overdrive			3	ms
Release time	measured with no coil excitation			4	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 EN 60255-5	10			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Capacity Coil/Contact	@ 10 kHz		2,5		pF
Case colour			gray		
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins			Copper alloy tin plated		
Magnetic Shield			no		
Reach / RoHS conformity			yes		
Remark			attention coil polarity		



*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.:  
**8412569006**  
Item:  
**HM12-1B69-06**

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			

General data	Conditions	Min	Typ	Max	Unit
Total weight			50		g
Packaging		palette per 10 piece			

Modifications in the sense of technical progress are reserved

Designed at: 27.07.09    Designed by: WKOVACS  
Last Change at: 29.05.12    Last Change by: WKOVACS

Approval at: 31.07.09    Approval by: KOLBRICH  
Approval at: 29.05.12    Approval by: CRUF

Version: 07

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Reed Relays](#) category:*

*Click to view products by [Standexmeder](#) manufacturer:*

Other Similar products are found below :

[M2C24AH](#) [D1A05HD-3](#) [741A10](#) [8000-0211](#) [8000-0217](#) [836C2](#) [922A06C4C](#) [PRMA1A12C](#) [PRMA1A24B](#) [PRMA1A24C](#) [PRMA1B12C](#)  
[PRMA1B24C](#) [PRMA1C05F](#) [PRMA2A24C](#) [R1C5DR](#) [R2A5D](#) [1220-0039](#) [RA30521051](#) [RA31232051](#) [HGS1005](#) [HGS1021](#) [HGS1048](#)  
[HGS1088](#) [HGS2MT51111F00](#) [HGS2MT51111M00](#) [HGZM1C24](#) [HGZM2C05](#) [HGZM2C48](#) [DA1A24DWD](#) [DA1A-24V](#) [DA1C05FWD](#)  
[DA1C12FW](#) [DA2A-6V](#) [134MPCX-3](#) [MRR1ADS8-12D](#) [MRR1ADS8-24D](#) [MRR1ADS8-5D](#) [MRR1ADSK-12D](#) [159-151-T00](#) [MSS62A05](#)  
[MSS71A05](#) [MSS71A05B](#) [MSS71A12](#) [MSS71A24](#) [1804-105](#) [191TE1C2M-5S](#) [191TE2A1-5G](#) [191TE2A1-6G](#) [193RE4C3-24G](#) [HYR2001-1520](#)