

**Dimensions mm[inch]**  
 tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m

**Isometric**  
 Scale 1:2  
 Maßstab 1:2

**Cable**  
 silicone high voltage wire AWG20  
 UL-Style 3239,  
 colour white  
 Hochspannung Silikonlitze AWG20  
 UL-Style 3239  
 Farbe weiss

**Terminals**  
 ends tinned  
 Enden verzinkt

**Layout**  
 Top view  
 Draufsicht

**Marking**  
 according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte

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	max. Relay temperature = operating temperature + self heating		24		K/W
Pull-In voltage				18	VDC
Drop-Out voltage		2			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			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 EN 60255-5	15			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Case colour				grey	
Housing material				UL94-HB File-No. E45329 (M); Lexan 141R / GE	
Sealing compound				UL94-V0 File-No E108835 (M); Wevopur 552 FL	
Mounting or coil material				UL94-V-0 File No. QMFZ-2. E42337; CELANEX PBT	
Connection pins				Copper alloy tin plated	
Magnetic Shield				no	
Reach / RoHS conformity				yes	
Cable type				silicon high-voltage wire AWG20 Style 3239, 15kVDC	



Europe: +49 / 7731 8399 0

| Email: info@standexmeder.com

USA: +1 / 508 295 0771

| Email: salesusa@standexmeder.com

Asia: +852 / 2955 1682

| Email: salesasia@standexmeder.com

Item No.:

**8424569158**

Item:

**HM24-1B69-150**

**UL-ready**

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: 02.08.04    Designed by: EBUNKE

Approval at: 26.01.09    Approval by: KOLBRICH

Last Change at: 26.08.16    Last Change by: WKOVACS

Approval at: 13.09.16    Approval by: DSTASTNY

Version: 07