

### Dimensions mm[inch]

tolerances acc. to DIN ISO 2768-m  
Toleranzen gem. DIN ISO 2768-m

### Isometric

Scale 1:1  
Maßstab 1:1

### Marking

according to EN60062/Factory code  
gem. EN60062/Fertigungsstätte

### Test circuit

### Layout

Top view  
Draufsicht

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		2.520	2.800	3.080	Ohm
Coil voltage			12		VDC
Rated power			51		mW
Pull-In voltage				9	VDC
Drop-Out voltage		2			VDC

Contact Data 85	Conditions	Min	Typ	Max	Unit
Contact-form			A		
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
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage		1.500			VDC
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
Number of contacts				2	
Contact - form				A - NO	
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC Measuring Voltage	100			GOhm
Dielectric Strength Contact/Contact	according to EN 60255-5	1,5			kV DC
Insulating voltage Case/Contact	at 2 sec.	1,5			kV DC
Thermal offset voltage				1	µV
Case colour				silver metallic	
Housing material				Metal	
Sealing compound				Polyurethan	
Connection pins				Copper alloy tin plated	
Magnetic Shield				no	
Reach / RoHS conformity				yes	



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.:

**8812285856**

Item:

**BT12-2A85-M**

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		-20		70	°C
Storage temperature		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

Modifications in the sense of technical progress are reserved

Designed at: 19.04.17 Designed by: WKOVACS

Approval at: 18.12.17 Approval by: DSTASTNY

Last Change at: Last Change by:

Approval at: Approval by:

Version: 01