

HIGH POWER & HIGH INSULATION 1kVDC REED RELAYS

DESCRIPTION

Standex Electronics introduces a brand new BH series of high power reed relays. This relay series can switch up to 1 kVDC, while providing a breakdown voltage of 3 kVDC and higher across the open contacts.

The integrated Electrostatic Shield and axial switch leads ensures High Insulation Resistance of 10 TOhm across the open contacts as well as between the coil and contacts. Also, as a result very Low Leakage Current in the picoamperes range. The outer Magnetic Shield protects the relays against a mutual interaction and therefore allows an assembly with higher density.

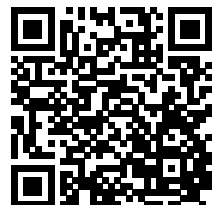
This variable Multi-channel Dry-switch design can be built with up to 4 switches Form A and, thanks to its features such as reliable switching behavior, long lifetime and Low Contact Resistance (ON-Resistance), it makes an ideal relay for precise testers, automated test equipment or an alternative for Mercury Relays. Typical applications include automated and semiconductor test equipment, high-insulation/high-accuracy testers, test and measurement, high-voltage industrial, general purpose, and mercury wetted replacement.

FEATURES

- 1,000 VDC Switching Voltage
- Breakdown Voltage 3 kVDC and higher across the open switch
- High Insulation Resistance of 10 TOhm
- Off-State Leakage current in picoampere range
- Multi-channel Dry-switch design with up to 4 Form A switches
- Low Contact Resistance (ON-Resistance)
- Protected with Magnetic shield for high density assembly
- In compliance with RoHS and REACH



RoHS

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HIGH POWER & HIGH INSULATION 1kVDC

REED RELAYS



BH SERIES

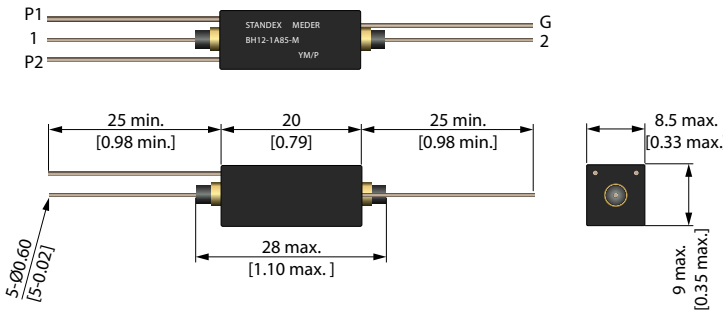
OPERATING CHARACTERISTICS

Coil Voltage:	5, 12, 24 VDC	Switching Current Max.:	1.0 A
Coil Resistance Typ.:	70-1600 Ω	Carry Current (100% Duty Cycle) Max.:	2.5 A
Contact Form:	up to 4 A	Insulation Resistance Min.:	10 ¹³ Ω
Coil Rated Power:	250-360 mW	Capacitance Coil/Contact Typ.:	3.3-8.5 pF
Switching Voltage Max.:	1 kVDC	Dielectric Strength (Coil to Contact):	3.5 kVDC
Breakdown Voltage Min.:	3 kVDC	Operating Temperature Max.:	-20 to 70°C

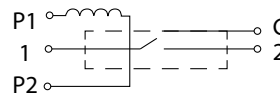
Please note: All technical specifications on this flyer refer to the standard product range. Modifications in the sense of technical progress are reserved. For general information only. For more specific information, please consult the product datasheet, available upon request.

DIMENSIONS MM [INCH] Tolerances acc. to DIN ISO 2768-m

Form 1A



SCHEMATIC (Top View)

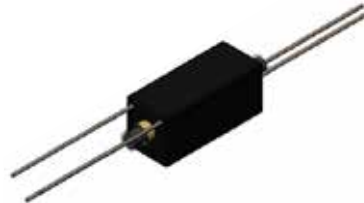


MARKING

Acc. to EN60062/Factory code

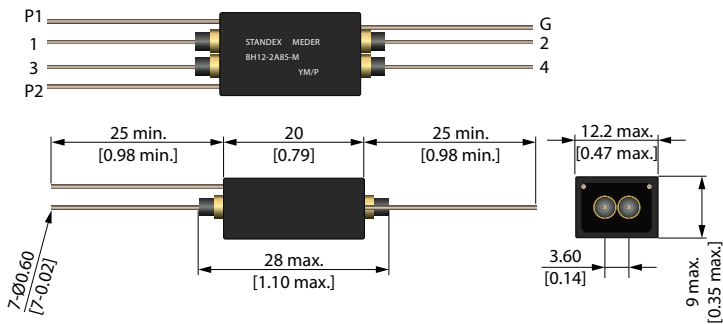
STANDEX MEDER
BH12-1A85-M
YYWW/P

ISOMETRIC Scale 1:1

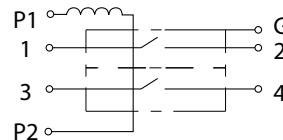


DIMENSIONS MM [INCH] Tolerances acc. to DIN ISO 2768-m

Form 2A



SCHEMATIC (Top View)

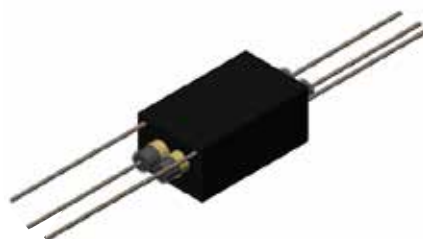


MARKING

Acc. to EN60062/Factory code

STANDEX MEDER
BH12-2A85-M
YYWW/P

ISOMETRIC Scale 1:1



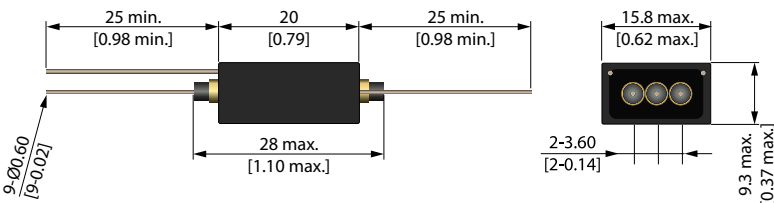
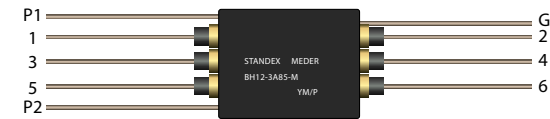
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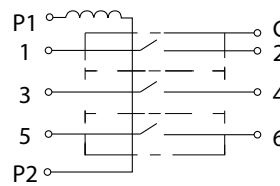
BH SERIES

DIMENSIONS MM [INCH] Tolerances acc. to DIN ISO 2768-m

Form 3A



SCHEMATIC (Top View)



MARKING

Acc. to EN60062/Factory code

STANDEX MEDER
BH12-3A85-M

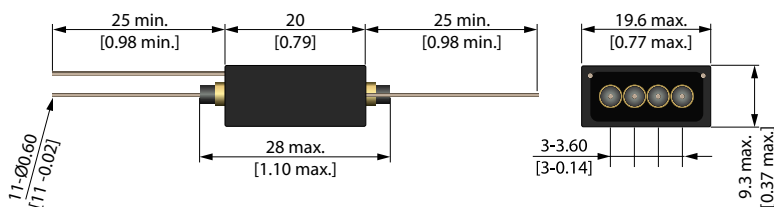
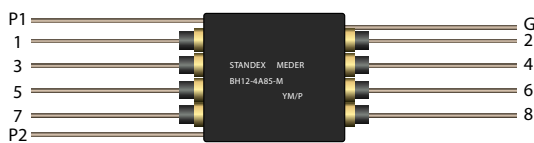
YYWW/P

ISOMETRIC Scale 1:1

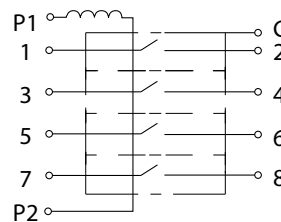


DIMENSIONS MM [INCH] Tolerances acc. to DIN ISO 2768-m

Form 4A



SCHEMATIC (Top View)



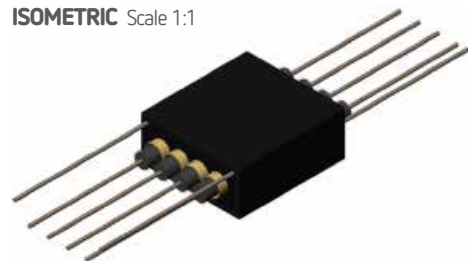
MARKING

Acc. to EN60062/Factory code

STANDEX MEDER
BH12-4A85-M

YYWW/P

ISOMETRIC Scale 1:1



Automated Test Equipment (ATE) // High-Insulation Testers // High Accuracy Testers // General Purpose High Voltage Industrial // Test & Measurement // Semiconductor Test Equipment // Replacement for Mercury Wetted

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