

## Coupling device AGH150W-4





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## Product description

The AGH150W-4 coupling device is designed to extend the nominal voltage range of the ISOMETER® IRDH... series to AC 0...1150 V, DC 0...1760 V. The coupling device is connected to the system being monitored by two poles and connected to the terminal AK of the ISOMETER® by means of the terminal AK160.

## Approvals

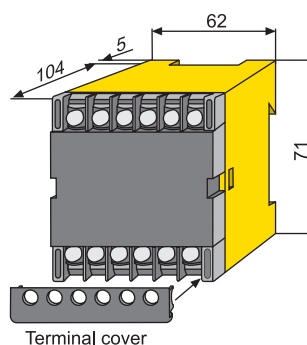


## Ordering information

Nominal system voltage $U_s$		Type	Art. No.
DC	AC		
0...1760 V	0...1150 V	AGH150W-4	B 9801 8006

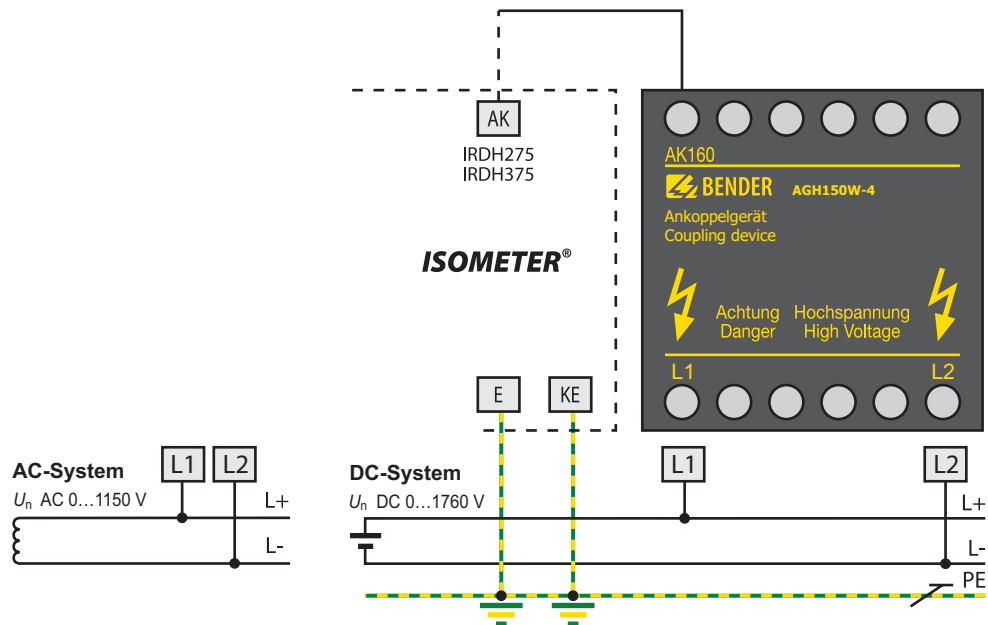
## Dimension diagram X150

Dimensions in mm





## Wiring diagram



## Technical data

### Insulation coordination acc. to DIN EN 61800-5-1 (VDE 0160-105-1)

Rated insulation voltage	AC 1600 V
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### Voltage test acc. to DIN EN 61800-5-1 (VDE 0160-105-1)

Voltage impulse test (basic insulation)	$\geq$ AC 11 kV
AC voltage test (basic insulation)	$\geq$ AC 6.6 kV

### Voltage ranges

Nominal system voltage $U_n$	AC 0...1150 V, DC 0...1760 V
Overvoltage category/rated impulse voltage	CAT III/ $\geq$ 11 kV
Internal DC resistance $R_i$	$\geq$ 160 k $\Omega$

### Environment

Shock resistance IEC 60068-2-27 (device in operation)	15 g/11 ms
Bumping IEC 60068-2-29 (transport)	40 g/6 ms
Vibration resistance IEC 60068-2-6 (device in operation)	1 g/10...150 Hz
Vibration resistance IEC 60068-2-6 (transport)	2 g/10...150 Hz
Ambient temperature (during operation)	-10...+55 °C
Ambient temperature (during storage)	-40...+70 °C
Climatic class acc. to DIN IEC 60721-3-3	3K5

### Connection

Connection	flat terminals
Connection properties rigid/flexible	0.2...4/0.2...2.5 mm <sup>2</sup>

### Other

Operating mode	continuous operation
Mounting	any position
Degree of protection, internal components (DIN EN 60529)	IP30
Degree of protection, terminals (DIN EN 60529)	IP20
DIN rail mounting acc. to	IEC 60715
Flammability class	UL94 V-0
Operating manual	BP109001
Weight	$\leq$ 900 g





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