

# Technical data

## Coupling devices

	<b>AGH150W-4</b>	<b>AGH204S-4</b>	<b>AGH520S</b>
<b>Device type</b>			
Insulation coordination acc. to IEC 60664-1:			
Rated insulation voltage	DC 1500 V	AC 1500 V	AC 6.3kV
Rated impulse withstand voltage/contamination level	12 kV/3	12 kV/3	17 kV/3
<b>Voltage range</b>			
Nominal voltage range Un	DC 0...1760 V	AC 50 ... 400 Hz 0...1650 V	50 ... 400 Hz AC 0...7200 V
Supply voltage U <sub>s</sub>	-	-	-
Operating range of U <sub>s</sub>	-	-	-
Tests of the Electromagnetic Compatibility -EMC- acc. to EC directives, test data see chapter "Standards"	Yes	Yes	Yes
<b>General data</b>			
Ambient temperature, during operation	-10°C to +55°C	-10°C to +55°C	-10°C to +55°C
Storage temperature range	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Climatic class acc. to IEC 60721 (except condensation and formation of ice)	3K5	3K5	3K5
Operation class	continuous operation	continuous operation	continuous operation
Mounting	any position	any position	any position
Connection	modular terminals	modular terminals	modular terminals
Cross sectional area of connecting cable, single wire	0.2...4 mm <sup>2</sup>	0.2...4 mm <sup>2</sup>	0.2...4 mm <sup>2</sup>
Cross sectional area of connecting cable, flexible	0.2...2.5 mm <sup>2</sup>	0.2...2.5 mm <sup>2</sup>	0.2...2.5 mm <sup>2</sup>
Protection class acc. to DIN EN 60529			
Built-in components	IP 30	IP 30	IP 64
Terminals/with terminal covers	IP 20	IP 20	IP 20
Type of enclosure/dimension diagram	X150	X200	resin-encapsulated
Screw fixing	Yes	Yes	Yes
DIN rail mounting	DIN EN 50022	DIN EN 50022	-
Flammability class	UL94V-0	UL94V-0	UL94
Data sheet No.	109001	109002	109003
Weight max.	900 g	1300 g	4500 g

# Coupling device AGH204S-4

## Product description

AGH204S-4 is a coupling device designed to extend the operating range of the nominal voltage of the A-ISOMETERS®, listed in the wiring diagram below, to (3)AC 50...400 Hz, 0...1650 V (0 ... 1300 V). The terminals U3, V3 and W3 have to be connected to the system being monitored and the terminals AK80 or AK160 to the terminal AK of the A-ISOMETER®.

## Ordering details

Type	Nominal voltage range $U_n$	Art. No.
AGH204S-4	AC 0...1300 V/ 0...1650 V	914 013

## Wiring diagram

