

Coupling device AGH520S



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Product description

The coupling device AGH520S is designed to extend the nominal voltage range of the ISOMETER® ISOMETER® IRDH275-4.../IRDH375-4.../IR470LY-40/IR420-D6/IRDH1065B-4to (3)AC 0...7200 V, 50...400 Hz. The coupling device is connected to the system to be monitored by one pole and connected to the terminal AK of the ISOMETER® by means of the terminal 5.

Approvals

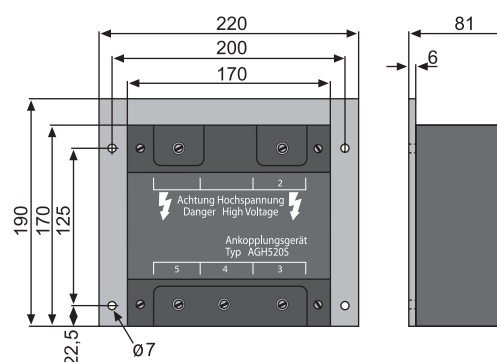


Ordering information

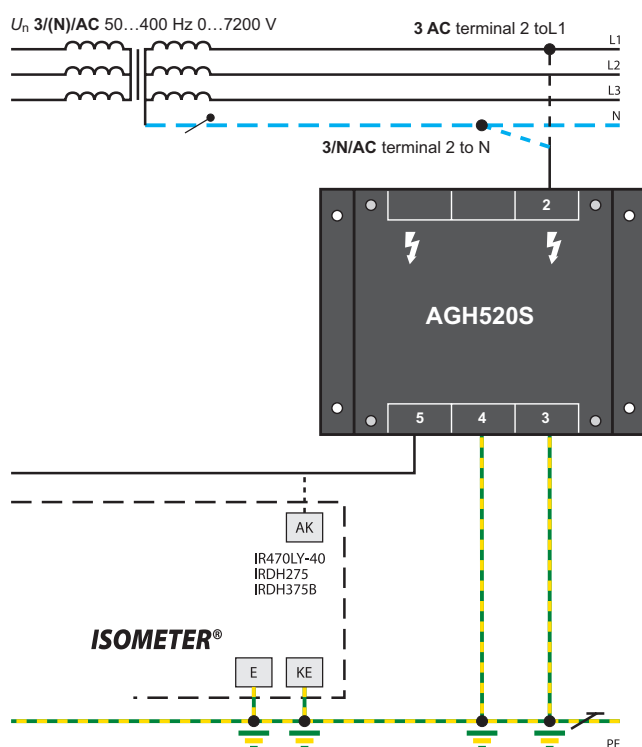
Nominal system voltage U_s	Type	Art. No.
3(N)AC	AGH520S	B 913 033
0...7200 V		

Dimension diagram

Dimensions in mm



Wiring diagram



Technical data

Insulation coordination acc. to IEC 61800-5-1

Operating voltage	AC 6.3 kV
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Voltage test according to IEC 61800-5-1

Overvoltage category/impulse voltage test (basic insulation)	III / AC 35 kV
AC voltage test (basic insulation)	AC 17.5 kV
Partial discharge test	12 kV

Voltage ranges

Nominal system voltage U_n	AC, 3(N)AC 0...7.2 kV
Nominal system voltage U_n for UL applications	AC, 3(N)AC 0...6 kV
Nominal frequency f_n	50...400 Hz
Internal DC resistance R_i	$\geq 80 \text{ k}\Omega$
Impedance Z_i at 7.2 kV and 50 Hz	$\geq 6 \text{ M}\Omega$

Environmental conditions

Classification of mechanical conditions acc. to IEC 60721:	
Stationary use (IEC 60721-3-3)	3M4
Transport (IEC 60721-3-2)	2M2
Storage (IEC 60721-3-1)	1M3
Ambient temperature (during operation)	-10...+55 °C
Ambient temperature for UL applications (during operation)	-10...+45 °C
Ambient temperature (during storage)	-20...+70 °C
Climatic class acc. to IEC 60721-3-3	3K5

Connection

Connection terminal 2 (medium voltage)	screw-type terminal
Connection terminals 3, 4, 5	screw-type terminals
Connection properties	
rigid/flexible	0.2...4 mm ² / 0.2...2.5 mm ² (AWG 24...12)
Tightening torque	2.9 Nm

General data

Operating mode	continuous operation
Position	any position
Degree of protection, internal components (DIN EN 60529)	IP64
Degree of protection, terminals (DIN EN 60529)	IP20
Type of enclosure	resin-encapsulated block
Screw mounting	4 x M5
Flammability class	UL94 V-HB
Weight	$\leq 4500 \text{ g}$



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