

## HIG99 KM CAN

- The HIG99 KM communication modules are used to connect a series of HIG99 insulation monitoring devices to a superior system using a digital bus.
- The communication modules further extend the HIG99 series with digital inputs that can be used to remotely test or block the insulation monitoring device.
- The communication module is powered by the HIG99 insulation monitoring device.
- The HIG99 KM communication modules are designed and tested according to the set of EN 50155 standards for use in rolling stock.

Type		HIG99 KM CAN
Module power supply		Provided by HIG99
Communication interface for user		CAN bus
Communication protocol		CAN OPEN 2.0
Electrical strength against internal circuits		3 000 V
Housing material		Polyamid PA6, UL94 V-0
Degree of protection of front panel		IP40
Degree of protection except the front panel		IP20
Operating temperature	θ	-40 ÷ 70 °C
Protection class according to IEC 61140		II
Recommended cross-section of connected conductors	S	1 mm <sup>2</sup>
Installation		On DIN rail 35 mm
Modular width		3 TE
Operation type		Permanent
Operating position		Any
<b>Designed according to standards</b>		
Equipment for testing, measuring or monitoring of protective measures		IEC 61557-1:2007
Insulation coordination for equipment within low-voltage systems		IEC 60664-1:2007
Railway applications – Rolling stock – Electronic equipment		EN 50155:2017
Railway applications – Fire protection on railway vehicles		EN 45545-2:2013
Railway applications – Electromagnetic compatibility		EN 50121-3-2:2016
Railway applications – Environmental conditions for equipment		EN 50125-1:2014
Railway applications – Rolling stock equipment – Shock and vibration tests		IEC 61373:2010
<b>Ordering, packaging and additional data</b>		
Mass	m	112 g
Mass (including the packaging)	m	136 g
Packaging dimensions (H x W x D)		60 x 113 x 73 mm
Packaging value	V	0.5 dm <sup>3</sup>
Customs tariff no.		90303370
EAN code		8590681166550
<b>Art. number</b>		<b>70 972</b>

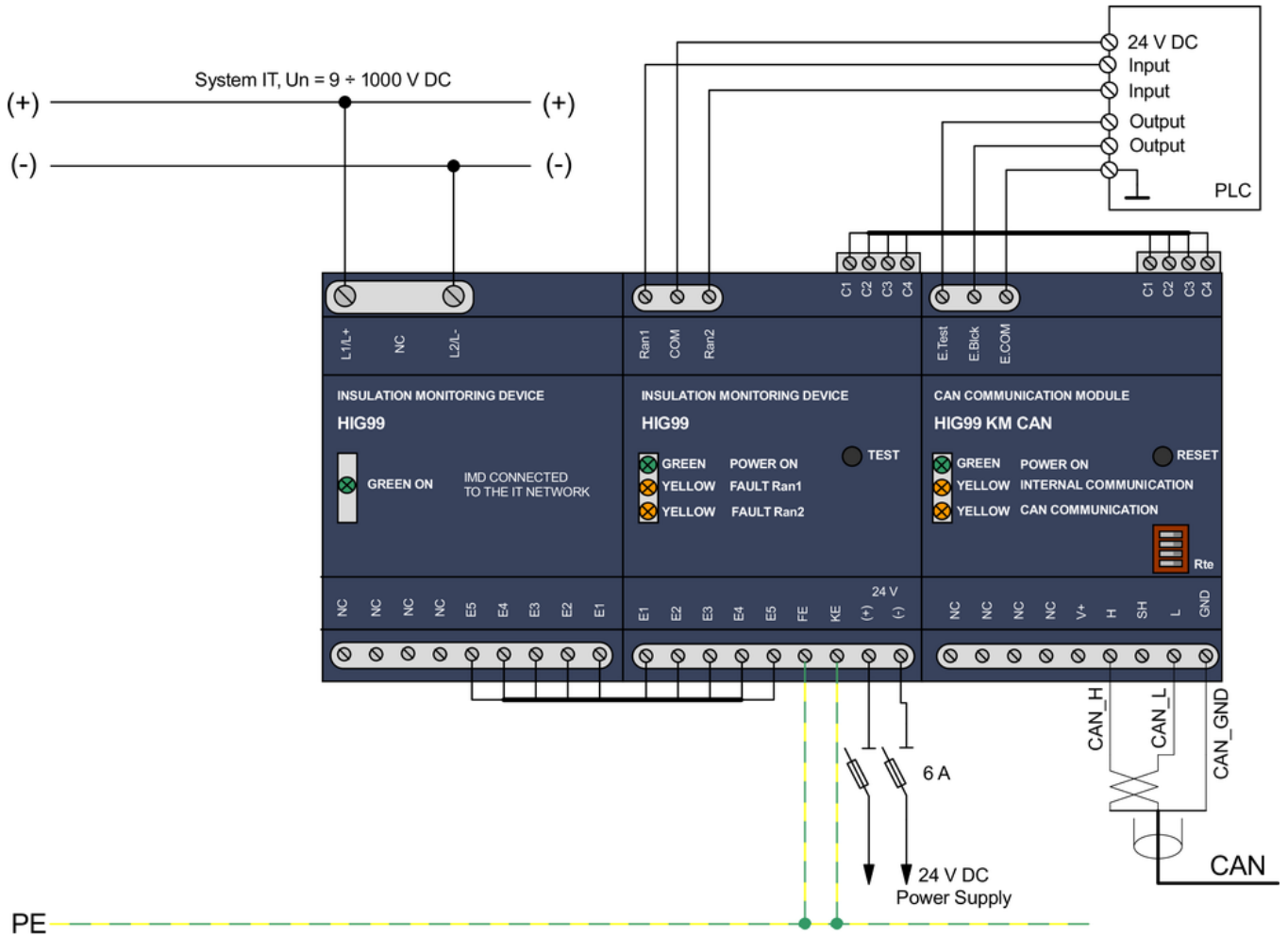


**The link in the QR code** leads to the online presentation of the **HIG99 KM CAN**.  
There, in addition to the always up-to-date data sheet, you will also find all diagrams and drawings, declarations of conformity, or 2D or 3D models and other necessary materials.  
For more information, visit [www.hakel.com](http://www.hakel.com)

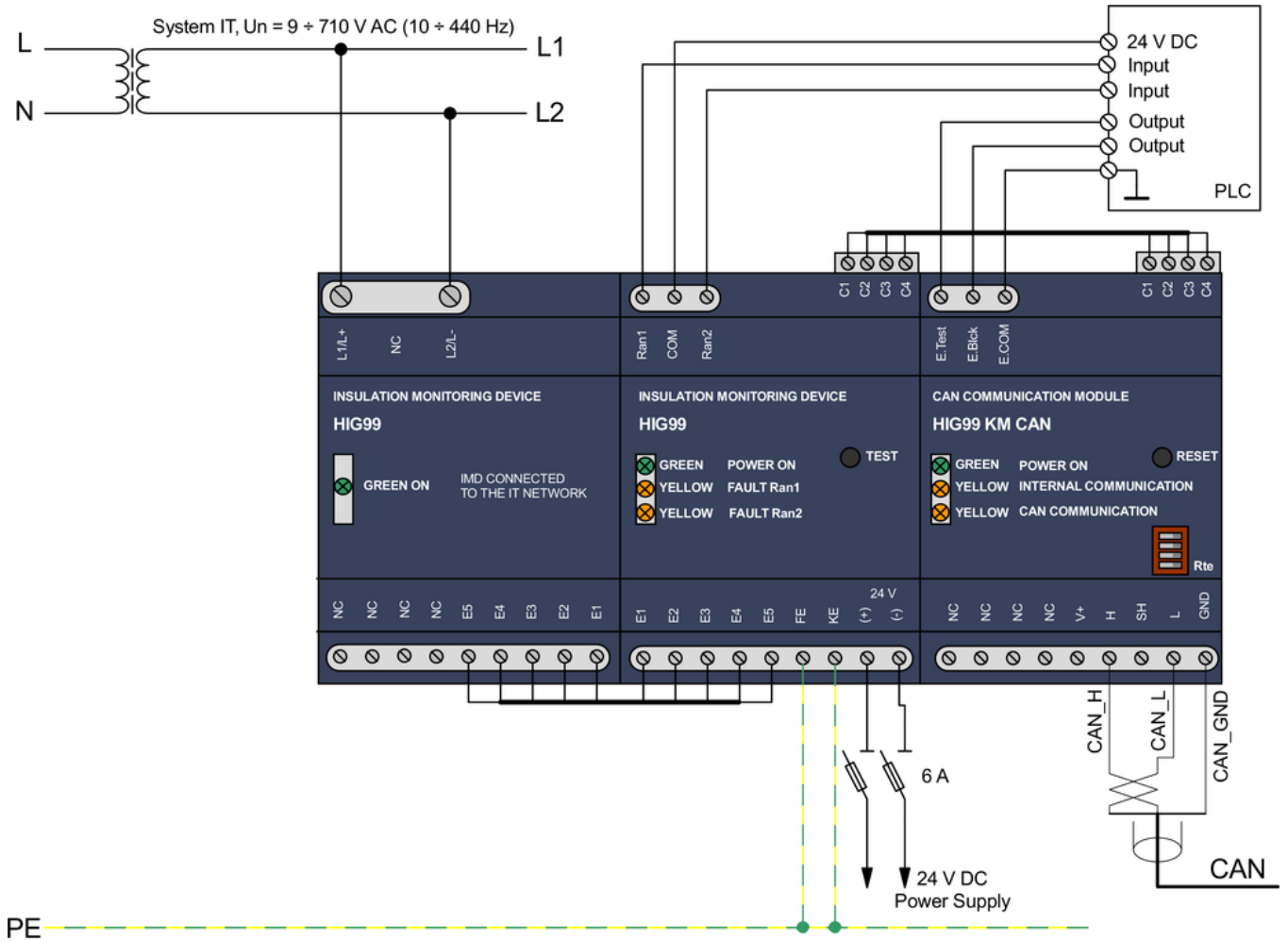


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Application wiring diagram (installation) 1/3



Application wiring diagram (installation) 2/3



Application wiring diagram (installation) 3/3

