KAAx SMART ADAPTER WITH ZELISKO SMVS VOLTAGE SENSORS

APPLICATION

Intelligent adapter factory fitted with voltage sensor enabling a unique solution for voltage measurement.
Designed for easy installation on MV/LV transformers, for new implantations or retrofiting, and requiring no cable modification.
To be used with Interface A 250 A separable connectors and equipment bushings.
Sensor can be interfaced with any IEC 60044-7 and -8 compliant Intelligent Electronic Device (IED) for protection and monitoring or other compatible application.

DESIGN

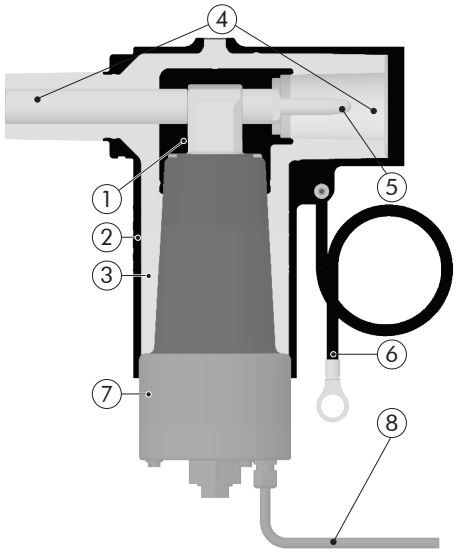
Smart Adapter comprising:
1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer.
4. Type A interface as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. Earthing lead.
7. Zelisko voltage sensor.
8. Sensor secondary cable.

SPECIFICATIONS AND CABLE STANDARDS

The KAA smart adapter meets the requirements of CENELEC HD 629.1.
The SMVS sensors meet the requirements of IEC 60044-7 standard

TECHNICAL CHARACTERISTICS

- High and stable measurement accuracy without on-site calibration ("Plug and Play" design) as low as 0,2 class for voltage measurment and 0,5 class for current measurment.
- Fully certified mechanical and electrical assembly supported by joint qualification according to HD629.1.
- Each adapter assembly is tested for AC withstand and partial discharge prior to leaving the factory.



INTERFACE A
SMART ADAPTER

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV - 250 A

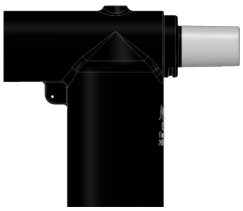
EUROMOLD

Smart adapter model	Voltage measurement			Current measurement		
	Model	Voltage Um (kV)	Type	Model	Max Application Current (A)	Type
KAA4	UW1001	up to 24 kV	Resistive divider	JW1002	300	Low Power Inductive
KAA8	UW1002-3					

KIT CONTENTS

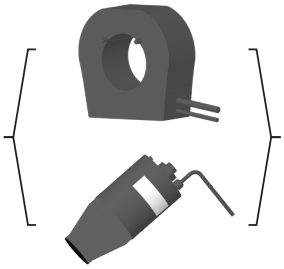
Kit configuration may change for different apllications, please contact us for a customized offer.

The kit also comprises lubricant, wipers and installation instructions.



KAA4/8
Smart adapter

+



SMVS Voltage sensor
and/OR
SMCS Current sensor

+

Sensor secondary cable

=

1 x KAAx/G + UW100x +
JW100x
smart adapter kit

ORDERING INSTRUCTIONS

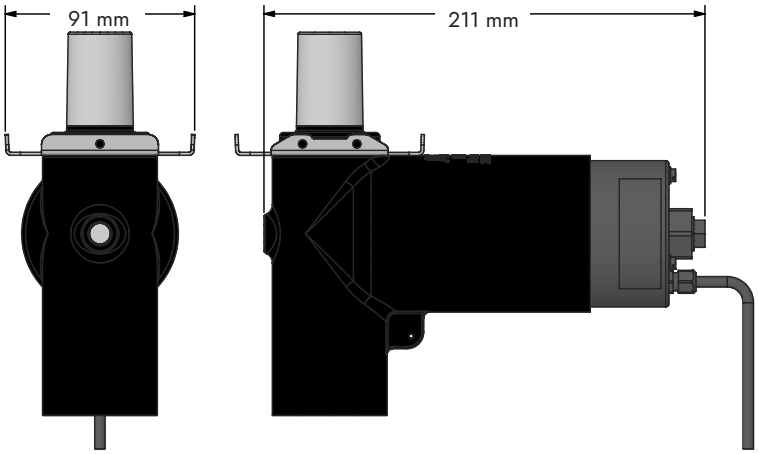
To order the right adapter or sensor for your application, refer to their specific catalog pages.

SENSOR ASSEMBLY

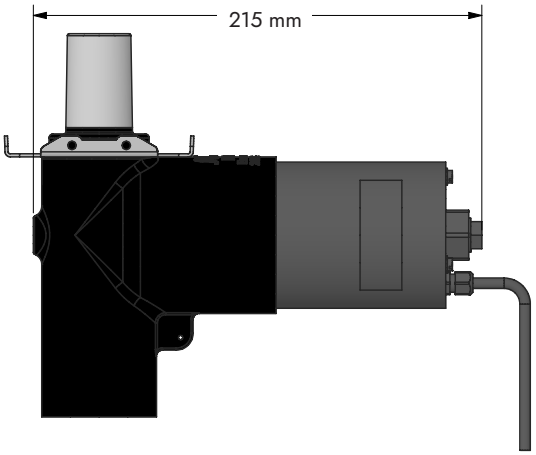
Current sensor JW1002 shall be installed on shielded cable using a clamping system which allows assembly on different diameters of MV cable. Voltage sensors UW100x are assembled in place of the insulating plug in cable connectors.

Characteristic	Voltage sensor	Current sensor
		Split core
Model	**UW100x**	**JW1002**
Rated primary voltage/current	max. 20/√3 kV	300A
Rated frequency	50/60Hz	
Accuracy class	0,5/3P	0,5/5P10
Rated burden	200 k Ohm/350pF	> 20 k Ohm
Rated transformation ratio	3,25/√3V	300A//225mV Ext. 200%
Inner diameter	-	55 mm
Secondary cable length	3,7 m	
Plug type	Open, 2 pins	

LAYOUT

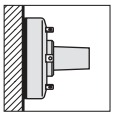


KAA4+SMVS-UW1001



KAA8+SMVS-UW1002-3

Rated voltage
12/20 (24) kV



Interface A
(250A)

For other cables length and custom applications. Please contact our representative.

Components can be ordered individually.