

# 480TB & 800PB WITH ZELISKO SMVS VOLTAGE SENSORS

## INTERFACE C SMART CONNECTOR

### APPLICATION

Voltage and/or current measurement sensors on medium voltage connectors attached to equipment (transformers, switchgear, motors,...). Sensor can be interfaced with any IEC 60044-7 and -8 compliant Intelligent Electronic Device (IED) for protection and monitoring or other compatible application.

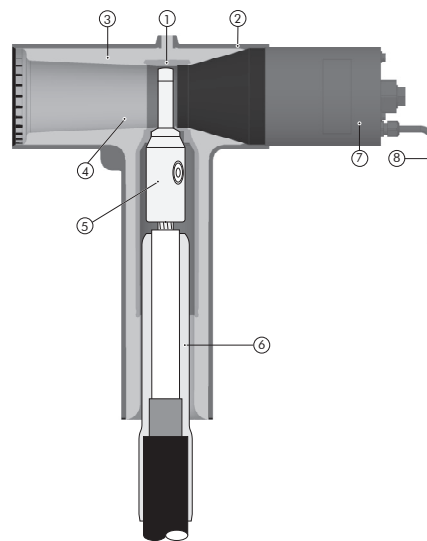
### DESIGN

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer
4. Type C interface as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. Cable reducer.
7. Zelisko SMVS sensor.
8. Data cable.

### TECHNICAL CHARACTERISTICS

- High and stable measurement accuracy without on-site calibration ("Plug and Play" design) as low as 0,2 class for voltage measurement and 0,5 class for current measurement
- Fully certified mechanical and electrical assembly supported by joint qualification according to HD629.1.



6/10 (12) kV  
 6.35/11 (12) kV  
 8.7/15 (17.5) kV  
 12/20 (24) kV  
 12.7/22 (24) kV  
 18/30 (36) kV

**Up to 36 kV - 630 A**

**EUROMOLD®**

### SPECIFICATIONS AND STANDARDS

The 480TB separable connector meets the requirements of CENELEC HD 629.1.S2.

The SMVS and SMCS sensors meet the requirements of IEC 60044-7 and 60044-8 standards.

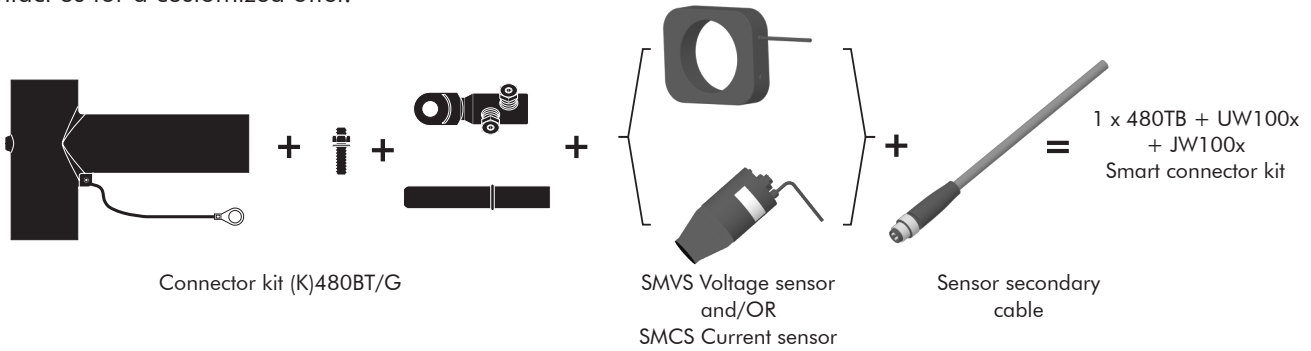
Connector model	Voltage measurement			Current measurement		
	Model	Voltage Um (kV)	Type	Model	Max application current (A)	Type
(K)480TB/G (K)484TB/G (K)489TB/G (K)800PB/G (K)804PB/G (K)809PB/G 800SA	UW1002-3	Up to 36	Resistive divider	JW1001  JW1002	300	Low Power Inductive

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## KIT CONTENTS

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

The kit also comprises lubricant, wipers, installation instructions and crimp chart.



## ORDERING INSTRUCTIONS

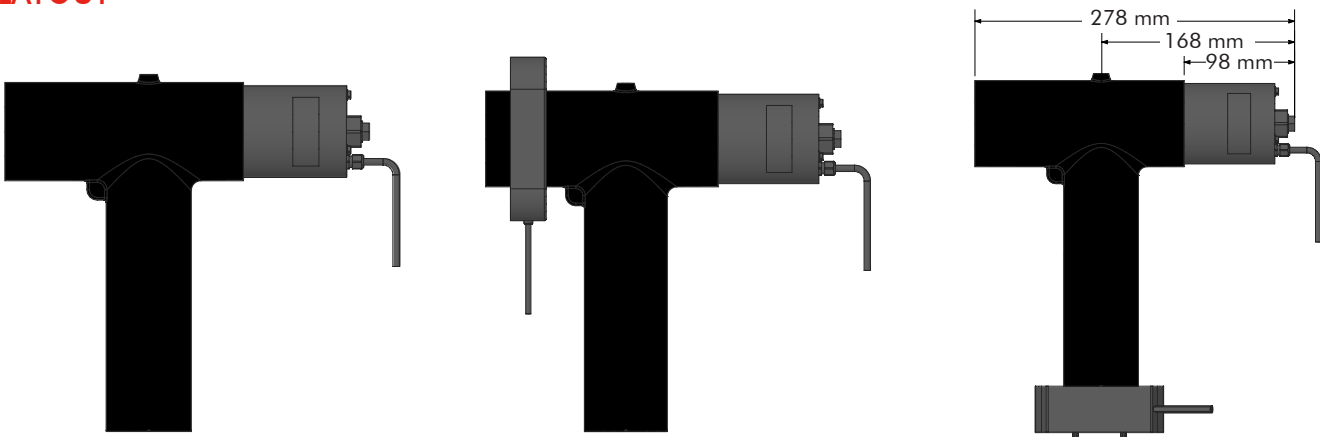
To order the right connector or sensor for your application, refer to the specific catalog pages.

## SENSOR ASSEMBLY

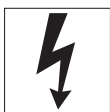
Current sensor JW1001 shall be installed on shielded head of cable connector using clamping system. Current sensor JW1002 shall be installed on shielded cable using a clamping system which allows assembly on different diameters of MV cable. Voltage sensors UW1002-3 are assembled in place of the insulating plug in cable connectors.

Characteristic	Voltage sensor	Current sensor	
		Closed core	Split core
Model	UW1002-3	JW1001	JW1002
Rated primary voltage/current	max. 30/ $\sqrt{3}$ 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/ $\sqrt{3}$ V	300A//225mV Ext. 200%	
Inner diameter	-	82 mm	55 mm
Secondary cable length	3,7 m		
Plug type	Open, 2 pins		

## LAYOUT

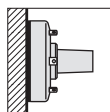


480TB+SMVS-UW1002-3



Rated voltage  
18/30 (36) kV

480TB+SMVS-UW1002-3+SMCS JW1001



InterfaceC  
(630A)

480TB+ SMVS-UW1002-3+SMCS JW1002



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



Components can be ordered individually.