

# ORDER FORM

To order the e<sup>2</sup>TANGO-100 protection relay, please fill in this part of the form according to the INSTRUCTIONS FOR FILLING IN THE FORM presented below.

## STEP 1

① version	<input type="checkbox"/> 100-M	<input type="checkbox"/> 100-L	<input type="checkbox"/> 100-G	<input type="checkbox"/> 100-LG	<input type="checkbox"/> 100-LGU	<input type="checkbox"/> 100-U
② phase current measurement method	<input type="checkbox"/> B <input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/> X	<input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/> C	<input type="checkbox"/> X
③ Input for I <sub>0</sub> measurement <sup>1)</sup>	<input type="checkbox"/> X	<input type="checkbox"/> X	<input type="checkbox"/> F	<input type="checkbox"/> F	<input type="checkbox"/> F	<input type="checkbox"/> X
④ power supply	<input type="checkbox"/> UNI - 110-230 V AC/DC	<input type="checkbox"/> 24V	<input type="checkbox"/> EXT - 24-230V AC/DC	<input type="checkbox"/> other (on consultation with the manufacturer) .....		
⑤ mounting method	<input type="checkbox"/> N -surface (DIN rail)		<input type="checkbox"/> Z-flush			
⑥ protection class	<input type="checkbox"/> IP4X		<input type="checkbox"/> IP54 <sup>2)</sup>			
⑦ communication	<input type="checkbox"/> X		<input type="checkbox"/> RS485			

1) Input for U<sub>0</sub> measurement from an open triangle available in G and LG versions, for LGU version 3U<sub>0</sub> value is calculated from phase voltages

2) IP54 protection degree is available only with flush mounting

Legend:

- P - phase current measurement in cooperation with current transformers 5A or 1A on the secondary side, measuring range up to 150A
- B - direct measurement of phase currents, measuring range up to 1000A
- C - measurement of phase currents in cooperation with Rogowski coils, measuring range up to 1400A with Rogowski coil sensitivity 1mV/A
- F - measurement with Feranti transformer
- X - none

additional requirements:

## STEP 2

Code:

e <sup>2</sup> TANGO	①	②	③	④	⑤	⑥	⑦
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# INSTRUCTIONS FOR FILLING IN THE FORM

## STEP 1

The table below shows the basic technical parameters of the e<sup>2</sup>TANGO-100 protection relay. Only 1 item should be selected from each item numbered 1 to 8. If „other” is selected, enter the ordered value in the corresponding field in STEP 2.

Example of the e<sup>2</sup>TANGO-100 protection relay configuration:

- ① Motor design
- ② Measurement using transformers, Phase current measurement range up to 150 A
- ③ Without I<sub>0</sub> measurement input
- ④ Universal power supply 110-230 V AC/DC
- ⑤ Surface mounting (DIN rail)
- ⑥ Protection class IP 4X
- ⑦ RS485 communication

## STEP 2

The above-selected e<sup>2</sup>TANGO-100 protection relay parameters must be entered in the corresponding fields. The e<sup>2</sup>TANGO code created in such a way together with other requirements or a scanned page of the form should be sent with the order to: [eaz@elektrometal-energetyka.pl](mailto:eaz@elektrometal-energetyka.pl)

Example of correct code completion:

e<sup>2</sup>TANGO 

100-M	P	X	UNI	N	IP4X	RS485
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