

# ORDER FORM

To order e<sup>2</sup>TANGO- 450 protection relay fill in this part of the form following FORM INSTRUCTIONS provided on the next page.

## STEP 1

① version  450

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② type  S (standard, 4I+1U)

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③ binary input voltage  UNI (110/230 V AC/DC)  24 V (24/110 V DC)

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Ethernet (standard equipment in each central unit)

④ COM1  x-none  RS485  CAN×2  OPTOMM  OPTOP  Profibus  others

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⑤ mounting  Z - flush mounting

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⑥ protection rating IP  IP4X  IP54

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⑦ language version  PL  EN  other (in agreement with manufacturer)  
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## STEP 2

Card name	Kod	Slot				
		A	B	C	D	TU
Ethernet	-	standard for the device				
6 relay outputs + 3 binary inputs	603I		X			
8 binary inputs	8IN		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8 binary inputs 24 V	8IN24		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12 binary inputs	12IN		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12 binary inputs 24 V	12IN24		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8 relay outputs	8OUT		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 0-10 V analogue inputs	A110		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 4-20 mA analogue inputs	A120		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 0-10 V analogue outputs	A010		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 4-20 mA analogue outputs	A020		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6 temperature inputs PT100	PT1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6 temperature inputs PT1000	PT10		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6 arc detector inputs with CANbus communication + 3 standard detectors	ARC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
voltage measurement	TU					<input type="checkbox"/>

additional arc detectors (max. 3 pcs.)  only if ARC card is ordered.

additional requirements:

## STEP 3

Your code:

See FORM INSTRUCTIONS on the following page

e<sup>2</sup>TANGO  ①  ②  ③  ④  ⑤  ⑥  ⑦  A  B  C  D  TU

# FORM INSTRUCTIONS

## STEP 1

The table contains basic technical specification of e<sup>2</sup>TANGO-450 protection relay. In each item 1 through 8 choose only ONE element. If you choose "other", in STEP 3 fill in the requested value in a corresponding field.

Step 1 instructions.

- - recommended basic configuration
- OPTOMM - multi-mode optic fibre
- OPTOP - plastic fibre optic

## KROK 2

The table contains a list of available expansion cards and their possible installation locations in e<sup>2</sup>TANGO-450 protection relay

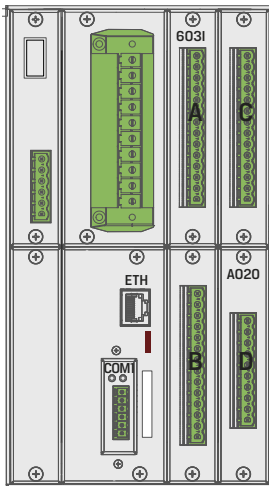
If no check mark field is available  the card cannot be installed in a given location. Select desired cards from the list and put an "X" mark next to slot where the card is to be installed.

Any additional requirements should be described in designated fields.

Step 2 instructions.

- - recommended basic configuration
- max. 1 AI10 card or 1 AI20 card
- max. 1 A010 card or 1 A020 card
- max. 1 PT1 card or 1 PT10 card

View of the central unit



## STEP 3

e<sup>2</sup>TANGO-250, -450 protection system parameters selected above should be filled-in in corresponding locations. Send thus created e<sup>2</sup>TANGO code along with other requirements or a scanned form page and order form to: [eaz@elektrometal-energetyka.pl](mailto:eaz@elektrometal-energetyka.pl)

Sample e<sup>2</sup>TANGO-450 protection configuration:

① e <sup>2</sup> TANGO-450	⑦ EN
② standard	A slot A: 603I card
③ universal 230 / 110 AC / DC	B slot B: 80UT card
④ RS485	C slot C: 80UT card
⑤ flush mounting	D slot D: A020 card
⑥ IP4X	TU slot TU: TU card

Sample e<sup>2</sup>TANGO-450 protection configuration:

e<sup>2</sup>TANGO