

# Transformer Protection SIPROTEC 7UT63

Product description                      Variants                      Order No.

## Digital differential protection relay

for transformers, generators,  
motors small busbars and short lines

Backlit, graphic display  
14 programmable LEDs, control keys  
navigation buttons, function buttons,  
number block.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Short code				
	7	U	T	6	3	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	↑	↑			3	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
<u>Housing, binary inputs and outputs, measuring transducer</u>																					
Housing 1/1 19", 21BI, 24BO, 1 Life contact, 12xl, 1xlEE, 4xU																					
Housing 1/1 19", 29BI, 24BO, 1 Life contact, 16xl, 2x lEE,																					
<u>Current transformer : I<sub>N</sub></u>																					
1 A <sup>5)</sup>																					
5 A <sup>5)</sup>																					
<u>Auxiliary voltage (power supply, binary input voltage)</u>																					
DC 24 V to 48 V, trigger level 19 V																					
DC 60 V to 125 V <sup>1)</sup> , trigger level 19 V <sup>2)</sup>																					
DC 110 V to 250 V <sup>1)</sup> , AC 115/230 V, trigger level 88 V <sup>2)</sup>																					
DC 220 V to 250 V <sup>1)</sup> , AC 115/230 V, trigger level 176 V <sup>2)</sup>																					
<u>Construction</u>																					
Surface-mounting housing, terminals on top and bottom																					
Flush-mounting housing, plug-in terminal (2/3 pin connector)																					
Flush-mounting housing, screw-type terminal (direct connection/ring-type cable lugs)																					
<u>Construction (with 5 high-speed trip contacts)</u>																					
Surface-mounting housing, terminals on top and bottom																					
Flush-mounting housing, plug-in terminal																					
Flush-mounting housing, screw-type terminal																					
<u>Region-specific default settings/ function versions and language settings</u>																					
Region world, IEC/ANSI																					
language German (language changeable)																					
Region world, IEC/ANSI,																					
language English (language changeable)																					
Region word, IEC/ANSI,																					
language US-english (language changeable)																					
Region world, IEC/ANSI,																					
language French (language changeable)																					
Region world,IEC/ANSI,																					
Language Spanish (language changeable)																					
<u>System port (on rear of device) Port B</u>																					
No system port																					
IEC 60870-5-103 Protocol, electrical RS232																					
IEC 60870-5-103 Protocol, electrical RS485																					
IEC 60870-5-103 Protocol, optical 820 nm, ST-connector																					
<u>Further protocols see supplement L</u>																					
PROFIBUS DP slave, electrical RS485																					
PROFIBUS DP slave, optical 820 nm, double ring, ST-connector <sup>3)</sup>																					
Modbus, electrical RS485																					
Modbus, optical 820 nm, ST-connector <sup>4)</sup>																					
DNP3.0, electrical RS485																					
DNP3.0, optical 820 nm, ST-connector <sup>4)</sup>																					
IEC 61850, 100 Mbit Ethernet, electrical, double, RJ45-connenctor																					
IEC 61850, 100 Mbit Ethernet, with integrated switch optical, double, LC-connector (EN100) <sup>4)</sup>																					

(continued on next page)

- 1) Transition between the three auxiliary voltage ranges can be selected by means of jumpers
- 2) For each binary input one of 2 pick-up threshold ranges can be selected with plug-in jumper
- 3) If position 9 = B (surface-mounting housing) only with RS485 port available, please order the relay with electrical interface and separate fibre-optic converter
- 4) Not available with Pos 9 = B
- 5) Rated current 1/5 A can be selected by means of jumpers

