Product description	Variants	Order No.
Multifunction paralleling device		7 V E 6 1 1 0 - □ □ □ □ □ - 0 □ □ □ Short code □ □ □
	Housing; digital inputs; binary outputs	
Paralleling connection of generators and networks; also synchro-check	Housing 1/3 19", 6 BI, 9 BO, 1 Life contact	
	Auxliliary voltage (power supply, indication voltage)	
Backlit text display 4*20 characters, programmable LED, navigation keys, function keys numerical keys	DC 24 V to 48 Vthreshold binary input DC 19 V	2
	DC 60 V to 125 V [2] threshold binary input DC 19 V [4]	4
	DC 110 V to 250V [2], AC 115 V to 230 V, threshold binary input DC 88 V [4]	5
	DC 220 V to 250V [2], AC 115 V to 230 V, threshold binary input DC 176 V[4]	6
	Unit version	
	Surface-mounting housing, 2-tier screw-type terminals at top/bottom	B
	Flush-mouting, screw-type terminals (direct connection/ring-type-cable lugs)	E
	Regional Presettings/ Regional functions and languages	
	Region DE, 50 Hz, IEC, language German (language changeable)	A
	Region World, 50/60 Hz, language English (language changeable)	B
	Region US, 60 Hz, language US-English (language changeable)	C
	Region World, 50/60 Hz, language Spanish (language changeable)	E
	Port B (system interface)	
	No system interface	0
	IEC 60870-5-103 Protocol, electric RS232	1
	IEC 60870-5-103 Protocol, electrical RS485	2
	IEC 60870-5-103 Protocol, 820 nm fibre optic, ST-connector	3
	Analog outputs 2 x 0 to 20 mA or 4 to 20 mA	7
	Further protocols see supplement L	9 — L 0 □
	PROFIBUS DP Slave, RS485	L 0 A
	PROFIBUS DP Slave, 820 nm fibre optic, double ring, ST-connector [1]	L 0 B
	Modbus, RS485	L 0 D
	Modbus, 820 nm fibre optic, ST-connector [3]	L 0 E
	DNP3, electrical RS485	L 0 G
	DNP3, 820 nm fibre optic, ST-connector [3]	L 0 H
	IEC 61850, 100 Mbit Ethernet, electrical, double RJ45-plugs	L 0 R
	IEC 61850, 100 Mbit Ethernet, with integrated switch optical, double, LC-connector [3]	L 0 S
	Port C (service interface)	
	DIGSI 4/ Modem, electric RS232	1
	DIGSI 4/ Modem, electrical RS485	2
	Port C and Port D	
	DIGSI 4/ Modem, electric RS232	9 — M 1 □
	DIGSI 4/ Modem, electrical RS485	9 — M 2 □
	Port D	
	Analog outputs 2 x 0 to 20 mA or 4 to 20 mA	K
	Scope of functions of the unit	
	Synchro-check for up to 3 synchronizing points (with dead bus/line monitoring)	A
	Paralleling for 2 synchronizing points without balancing command (1 1/2-channels - Synchro-check in 2. channel)	B
	Paralleling for 2 synchronizing points with balancing commands (1 1/2-channels - Synchro-check in 2. channel)	C
	Paralleling for 4 synchronizing points with balancing commands (1 1/2-channels - Synchro-check in 2. channel)	D
	Additional functions	
	without	A
	Protection and network decoupling function (Voltage, frequency and rate-of frequency-change protection and vector jump)	B
	Additional applications	
	without	0
	Application for traction systems (fn = 16,7 Hz)	1

1) If position 9=B (surface-mounting housing, 2-tier terminals on top/bottom), please order 7VE6 unit with RS485 interface and separate fibre-optic converter.

2) Transition between the three auxiliary voltage ranges can be selected by means of jumpers.

3) Not available with position 9=B (surface-mounting).

4) The thresholds of each binary input can be set via bridges.

Generator Protection
SIPROTEC 7VE63

Product description	Variants	Order No.

Multifunction paralleling device — 7VE630-□□□□□-0□□□ Short code □□□

Paralleling connection of generators and networks; also synchro-check
Backlitgraphic or text display
14 programmable LED,
key switches
navigation keys
function keys
numerical keys

	Housing; digital inputs; binary outputs	
	Housing 1/2 19", 14 BI, 17 BO, 1 Life contact	
	Auxliliary voltage (power supply, indication voltage)	
	DC 24 V to 48 V, threshold binary input DC 19 V	2
	DC 60 V to 125 V [2], threshold binary input DC 19 V [4]	4
	DC 110V to 250 V [2], AC 115 V- 230 V, threshold binary input DC 88 V [4]	5
	DC 220V to 250 V [2], AC 115 V- 230 V, threshold binary input DC 176 V[4]	6
	Unit version	
	Surface-mounting housing, 2-tier screw-type terminals at top/bottom	B
	Flush-mouting, screw-type terminals (direct connection/ring-type-cable lugs)	E
	Regional Presettings/ Regional functions and languages	
	Region DE, 50 Hz, IEC, language German (language changeable)	A
	Region World, 50/60 Hz, language English (language changeable)	B
	Region US, 60 Hz, language US-English (language changeable)	C
	Region World, 50/60 Hz, language Spanish (language changeable)	E
	Port B (system interface)	
	No system interface	0
	IEC 60870-5-103 Protocol, electric RS232	1
	IEC 60870-5-103 Protocol, electrical RS485	2
	IEC 60870-5-103 Protocol, 820 nm fibre optic, ST-connector	3
	Analog outputs 2 x 0 to 20 mA or 4 to 20 mA	7
	Further protocols see supplement L	9
	PROFIBUS DP Slave, RS485	L 0 A
	PROFIBUS DP Slave, 820 nm fibre optic, double ring, ST-connector [1]	L 0 B
	Modbus, RS485	L 0 D
	Modbus, 820 nm fibre optic, ST-connector [3]	L 0 E
	DNP3, electrical RS485	L 0 G
	DNP3, 820 nm fibre optic, ST-connector [3]	L 0 H
	IEC 61850, 100 Mbit Ethernet, electrical, double RJ45-plugs	L 0 R
	IEC 61850, 100 Mbit Ethernet, with integrated switch optical, double, LC-connector [3]	L 0 S
	Port C (service interface)	
	DIGSI 4/ Modem, electric RS232	1
	DIGSI 4/ Modem, electrical RS485	2
	Port C and Port D	
	DIGSI 4/ Modem, electric RS232	9 M 1
	DIGSI 4/ Modem, electrical RS485	9 M 2
	Port D	
	Analog outputs 2 x 0 to 20 mA or 4 to 20 mA	K
	Scope of functions of the unit	
	Synchro-check for up to 3 synchronizing points (with dead bus/line monitoring)	A
	Paralleling for 2 synchronizing points without balancing command (2-channels – independent measuring procedures)	B
	Paralleling for 2 synchronizing points with balancing commands (2-channels – independent measuring procedures)	C
	Paralleling for 8 synchronizing points with balancing commands (2-channels – independent measuring procedures)	D
	Additional functions	
	without	A
	Protection and network decoupling function (Voltage, frequency and rate-of frequency-change protection and vector jump)	B
	Additional applications	
	without	0
	Application for traction systems (fn = 16,7 Hz)	1

1) If position 9=B (surface-mounting housing, 2-tier terminals on top/bottom), please order 7VE6 unit with RS485 interface and separate fibre-optic converter.
2) Transition between the three auxiliary voltage ranges can be selected by means of jumpers.
3) Not available with position 9=B (surface-mounting housing).
4) The thresholds of each binary input can be set via bridges.