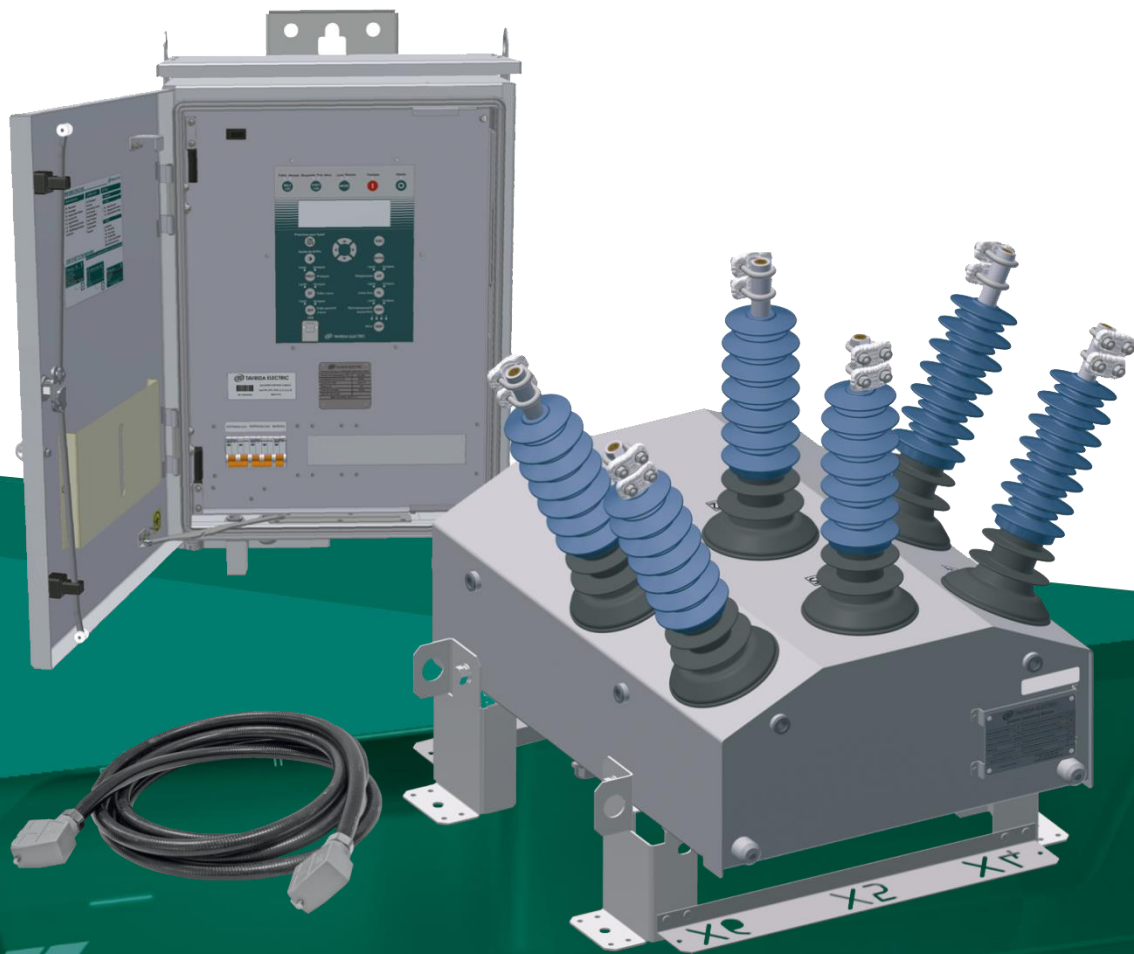


Rec15/25_A11_5p

AUTOMATIC CIRCUIT RECLOSER

15 kV, 16 kA, 630 A
27 kV, 12.5 kA, 630 A



PRODUCT GUIDE

3.1 Recloser Coding

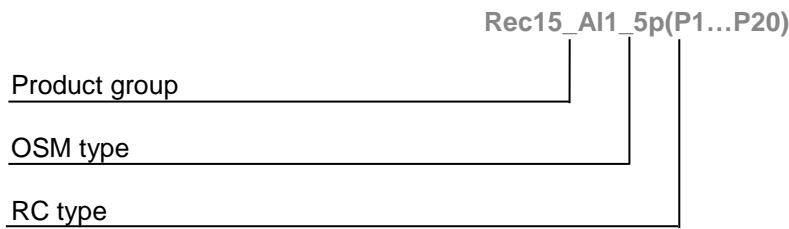


Table 1 – Recloser coding description

Parameter	Parameter description	Applicable options	Code extended	Code
P1	Customization	Default	C.0	1
		Other – Contact Tavrída Electric representative
P2	OSM type	OSM with Rogowski coils and 220V actuator coil, version 5	25TP-ROG220V5	1
P3	Language	According to customization – contact Tavrída Electric representative	L.Custom	1
		English MMI, stickers, nameplates for RC and OSM	EN15/EN25	2
		Portuguese MMI, stickers, nameplates for RC and OSM	PT15/PT25	3
		English MMI, stickers	EN	4
		Portuguese MMI, stickers	PT	5
		Spanish MMI, stickers	ESP	6
		Spanish MMI, stickers, nameplates for RC and OSM	ESP15/ESP25	7
P4	Controller type	Recloser control cubicle RC5_4	RC5.4A	1
P5	Firmware version	2.72.027	2.72.027-6.45-4.02	1
P6	OSM mounting kit	Without mounting kit	SURF	1
		Standard mounting kit without pole interface part	10	2
		Mounting kit with pole interface part for M16 studs	10M18	3
		Mounting kit with pole interface part for M20 studs	10M22	4
		Mounting kit with pole interface part for M20 studs for through the pole installation	10M22TH	5
		Mounting kit with M16 interface bracket for around the pole installation with 500 mm U-profiles fixed with 450 mm M16 studs	10M18AR500	6
		Mounting kit with M20 interface bracket for around the pole installation with 700 mm U-profiles fixed with 450 mm M20 studs	10M22AR700	7
		Mounting kit with M16 interface bracket for around the pole installation with 500 mm U-profiles bolted to interface bracket and 450 mm M16 studs	10M18AR500M16	8
		Mounting kit with M20 interface bracket for around the pole installation with 700 mm U-profiles bolted to interface bracket and 450 mm M20 studs	10M22AR700M20	9
		Substation mounting kit with adjustable height	SUB	A
P7	AT mounting kit	Without	ATMK.0	1
		Holder for cast resin VT	CR	2
		Holder for cast resin VT for around the pole installation with two 500 mm U-profiles and M16 studs	CRAR500M16	3
		Holder for cast resin VT for around the pole installation with two 700 mm U-profiles and M20 studs	CRAR700M20	4
		Two holders for cast resin VT for around the pole installation with two 500 mm U-profiles and M16 studs	CR-CRAR500M16	5
		Two holders for cast resin VT for around the pole installation with two 700 mm U-profiles and M20 studs	CR-CRAR700M20	6
		Two holders for cast resin VT for around the pole installation with four 500 mm U-profiles and M16 studs	2CRAR500M16	7
		Two holders for cast resin VT for around the pole installation with four 700 mm U-profiles and M20 studs	2CRAR700M20	8
		Cast resin VT installation kit for substation mounting kit	CR-SUB	9
		Oil power transformer installation kit for substation mounting kit	OPT-SUB	A
		Cast resin CT installation kit for substation mounting kit	CT-SUB	B
		Holder for cast resin VT for through the pole installation with base holder for M20 studs and 700 mm U-profile	CRTH22	C
		Holder for cast resin VT for through the pole installation with base holder for M20 studs, 700 mm U-profile and two M20 studs	CRTHM20	D
Two holders for cast resin VT for through the pole installation with base	2CRTH22	E		

		holder for M20 studs and two 700 mm U-profile		
		Two holders for cast resin VT for through the pole installation with base holder for M20 studs, two 700 mm U-profile and M20 studs	2CRTHM20	F
P8	Control cable	5 meters	5mAL1DD.5	1
		7 meters	7mAL1DD.5	2
		12 meters	12mAL1DD.5	3
		20 meters	20mAL1DD.5	4
P9	Primary connector type	Without	CON.0	1
		Two hole NEMA connector	N2AI	2
		Two hole Burndy® connector	N2B	3
		Four hole NEMA connector	N4AI	4
		Clamp type aerial connector with bird protection	Aerial-BG	5
		Two hole NEMA connector with bird protection	N2AI-BG	6
		Four hole NEMA connector with bird protection	N4AI-BG	7
P10	Earthing accessories	Without	EA.0	1
		According to customization – contact Tavrida Electric representative	EA.Custom	2
		Two cross pressure terminals for 25–70 mm ² wire	2CPT25-70x13	3
P11	Power cable	Without	PC.0	1
		According to customization – contact Tavrida Electric representative	PC.Custom	2
		5 meters double core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	5mx2x1.5xR6S	3
		7 meters double core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	7mx2x1.5xR6S	4
		12 meters double core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	12mx2x1.5xR6S	5
		20 meters double core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	20mx2x1.5xR6S	6
		Two 5 meters double core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	2x5mx2x1.5xR6S	7
		Two 7 meters double core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	2x7mx2x1.5xR6S	8
		Two 12 meters double core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	2x12mx2x1.5xR6S	9
		Two 20 meters double core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	2x20mx2x1.5xR6S	A
		4.5 meters triple core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	4.5mx3x1.5xR6S	B
		11 meters triple core 1.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	11mx3x1.5xR6S	C
		5 meters triple core 2.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	5mx3x2.5xR6S	D
		7 meters triple core 2.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	7mx3x2.5xR6S	E
		12 meters triple core 2.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	12mx3x2.5xR6S	F
		20 meters triple core 2.5 mm ² cable with 6 mm ring lug at VT side and crimp sleeve lug at RC side	20mx3x2.5xR6S	G
		5 meters triple core 2.5 mm ² cable with 6 mm ring lug at VT side and Cnlinko® YM20 connector at RC side	5mx3x2.5xR6CNL	H
7 meters triple core 2.5 mm ² cable with 6 mm ring lug at VT side and Cnlinko® YM20 connector at RC side	7mx3x2.5xR6CNL	J		
12 meters triple core 2.5 mm ² cable with 6 mm ring lug at VT side and Cnlinko® YM20 connector at RC side	12mx3x2.5xR6CNL	K		
20 meters triple core 2.5 mm ² cable with 6 mm ring lug at VT side and Cnlinko® YM20 connector at RC side	20mx3x2.5xR6CNL	L		
P12	RC mounting kit	Without	RCMK.0	1
		According to customization – contact Tavrida Electric representative	RCMK.Custom	2
		800 mm U-profiles fastened to RC with M20 fasteners for around the pole installation with 1000 mm M16 studs	AR800	3
		RC installation kit for substation mounting kit	SUB1	4
		500 mm U-profiles fastened to RC with M20 fasteners for around the pole installation with 450mm M16 studs	AR500	5
		Two 450 mm M20 studs	TH20	6
P13	Battery type	Without	B.0	1

		Battery ready	B-R	2
		-25 degrees rated battery	B-25	3
		-40 degrees rated battery	B-40	4
P14	Input-output module	Without	IO.0	1
		12–60 VDC	IO.60	2
		110–250 VDC	IO.220	3
P15	Ethernet	Without	E.0	1
		Wired Ethernet (RJ45 interface)	E.W	2
P16	Local wireless access	Without	LWA.0	1
		Bluetooth	BT	2
P17	Power outlet	Socket wiring without socket holder cover	PO.0	1
		Socket wiring with blank socket holder cover	PO.Blank	2
		EU socket connected to AC1 power input	EU	3
		Two NBR sockets	2NBR	4
		Socket wiring with associated plate for two NBR sockets	For2NBR	5
		According to customization – contact Tavrida Electric representative	PO.Custom	6
P18	Cabinet light	Without	CL.0	1
		LED strip	LED5V	2
P19	Internal door additional equipment	Without	IDAE.0	1
		According to customization – contact Tavrida Electric representative	IDAE.Custom	2
		Blank plate	IDAE.Blank	3
P20	Bottom interface plate	Without	BP.0	1
		According to customization – contact Tavrida Electric representative	BP.Custom	2
		Blank plate	BP.Blank	3
		Plate with two glands for d = 4.5–10 mm	2xG4.5-10	4
		Plate with two glands for d = 4.5–10 mm and wireless module plug	LWA-2xG4.5-10	5
		Plate with two Cnlinko® YM20 connectors	2xYM20.M3	6
		Plate with two Cnlinko® YM20 connectors and wireless module plug	LWA-2xYM20.M3	7

3.2 Recloser Components Coding

OSM coding

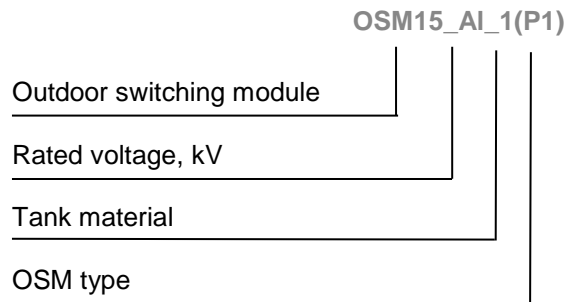


Table 2 – OSM coding description

Parameter	Parameter description	Applicable options	Code
P1	OSM modification	OSM without intermediate unit and with place for nameplate	5

Each OSM has the following nameplates:

- Serial number plate
- Parameters nameplate