

SynchroTeq® MV

Advanced Controlled Switching Device - CSD for Medium Voltage Switchgear, C/B and VCB

Smart Coding & Options Selection

2025-05-28



VIZIMAX Inc

2284, de la Province - Longueuil

Québec, Canada, J4G 1G1

T: +1 (450) 679-0003

www.vizimax.com

VIZIMAX Reference Number

1. SynchroTeq MV - base unit description - STM0x0000

All SynchroTeq MV models include 10x digital inputs + 10x digital outputs (3x Trip Coils + 3x Close coils + 2x Form C + 2x Form A) + 1x AC voltage input (2 measurement ranges selectable by software: 0-20Vac for LEA/LPIT sensors or 0-200Vac for magnetic PTs) + 3x CT inputs (1A or 5A universal) + 2x monitoring inputs with compensation function (temperature + C/B coil voltage) + 2 x 100BASE-T Ethernet + 1 RS-232 + 1 RS-485 ports.
Native IEC 61850 MMS Server Ed.2 (XCBR control model), DNP3.0 and MODBUS (only one protocol can be active at a time).

Enter option code to complete the part number:
Choose among the following options.

STM0 0000

1	2	3	4	5	6	7	8	9
				Z	0	0	N	N

SynchroTeq MVR unit description - STM010000

STM0 1 0000

SynchroTeq MVR - Performs fixed angle switching strategies for MV shunt reactors, discharged capacitor banks, filters and power transformers without residual flux.



SynchroTeq MVX unit description - STM030000

STM0 3 0000

SynchroTeq MVX - Performs fixed angle strategies + MV power transformer energizations with residual flux management + switching & fast-switching of partially charged capacitor banks and harmonic filters.
SynchroTeq MVX additionally includes 3x AC load voltage inputs (with 2 measurement ranges selectable by software: 0-20Vac for LEA/LPIT sensors or 0-200Vac for magnetic PTs), for transformers with residual flux calculation or fast-switching of capacitor/filter.



2. SynchroTeq MV Configuration

Housing

Standard mount (No face plate)
Panel mount housing (12" Front panel mount, with panel cutout)
Rack mount housing (19" rack mount - 3U)

SM				Z	0	0	N	N
PM				Z	0	0	N	N
RM				Z	0	0	N	N

Language

The selected language applies to the faceplate and software user interfaces

English
Spanish
Turkish
Chinese

EN				Z	0	0	N	N
ES				Z	0	0	N	N
TR				Z	0	0	N	N
ZH				Z	0	0	N	N

Voltage

the selected voltage applies to the main power supply and digital inputs incl. 52a, status control and command inputs

24 Vdc
48 Vdc
125 Vdc
220 Vdc
110 Vdc

		1		Z	0	0	N	N
		2		Z	0	0	N	N
		3		Z	0	0	N	N
		4		Z	0	0	N	N
		5		Z	0	0	N	N

Services

Standard (no additional service)
IRIG-B time synchronization option (Reference: RWC0Y0001)

		0		Z	0	0	N	N
		1		Z	0	0	N	N

Note: Options are not included in the price of SynchroTeq MV. Additional costs may apply; please contact your sales representative for more information.

Smart Coding example

SynchroTeq MVX Unit, 125Vdc, rackmount housing, standard CT, English version and with IRIG-B option.

STM0 3 0000

RM	EN	3	1	Z	0	0	N	N
----	----	---	---	---	---	---	---	---