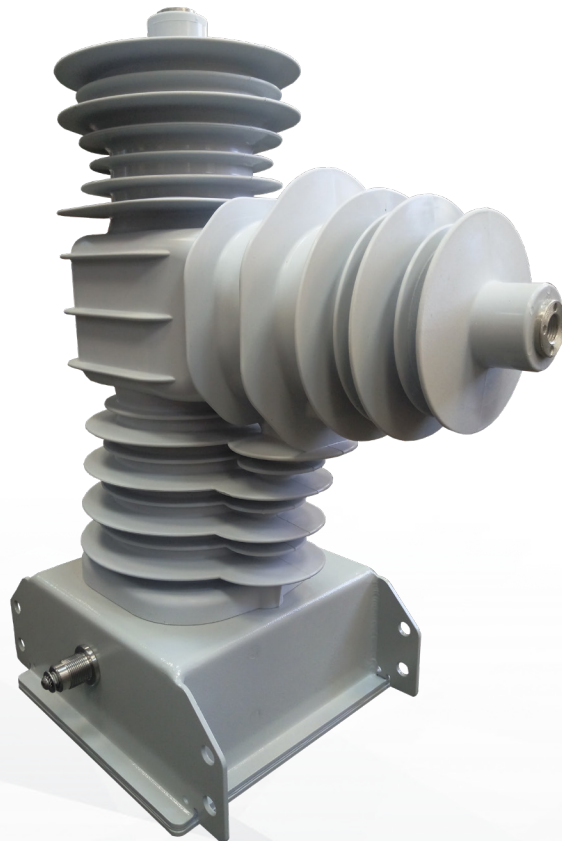









# SINGLE PHASE AND TRIPLE-SINGLE PHASE VACUUM CIRCUIT BREAKERS

## ULTIMATE SWITCHING RELIABILITY FOR A HASSLE-FREE CONNECTION TO A GRID

Tavrida Electric offers OEMs and EPCs a wide range of single and triple-single phase switching modules which can be used for various purposes:

- Inrush-free capacitors switching
- Shunt reactors connection
- Harmonic filters switching
- Single phase tripping for lines with phase-to-ground connected loads
- Transformer neutral point disconnection or bypass



Parameter		1SM15_LD3	1SM15_MD3	1SM25_LD3	0SM25_AI_4	0SM35_Smart_1	0SM35_Smart_3	0SM50_Smart_1
Rated data								
Rated voltage (Ur)	kV	17.5	17.5	27	27	38	38	38
Rated normal current (Ir)	A	800	1250	800	800	1250	1250	1250
Rated power frequency withstand voltage (Ud)	kV	42	42	50	60	95	95	95
Rated lightning impulse withstand voltage (peak) (Up)	kV	95	95	125	125	150	150	200
Rated short-circuit breaking current (Isc)	kA	20	31.5	16	16	20	20	20
Rated duration of short circuit (tk)	s	4						
Rated frequency (fr)	Hz	50/60						
<b>Switching performance</b>								
Mechanical life (CO-cycles)		50 000	50 000	30 000	30000	20000	20000	30000
Closing time	ms	30	25	35	40	38	38	40
Opening time	ms	15	8	15	15	8	8	8
<b>General information</b>								
Temperature range	°C	-40 ... +55	-45... +55	-25... +55	-40...+55	-60...+55	-25...+55	-25...+55

#### EUROPE

##### Tavrida Electric GmbH

Im Leimen 14, 88069  
88069 Tett nang,  
Germany  
Phone: +49 7542 94 678 51  
Fax: +49 7542 94 678 61  
E-mail: info@tavrida.de

#### BRAZIL

##### Tavrida Electric do Brasil

Av. Ireno da Silva Venâncio, 199  
GP04A - Protestantes  
18111-100, Votorantim / SP, Brazil  
Phone: +55 (15) 3243-2555  
Fax: +55 (15) 3243-4233  
E-Mail: info@tavrida.com.br

#### NORTH AMERICA

##### Tavrida Electric North America Inc.

1105 Cliveden Ave.  
Delta, BC V3M 6G9  
Canada  
Phone: +1 (866) 551-8362  
Fax: +1 (604) 540-6604  
E-Mail: info@tavrida-na.com

#### SOUTH AMERICA

##### Tavrida Electric Argentina

Av. Hipólito Yrigoyen 9183/5, 9 piso dpto.  
B. Lomas de Zamora,  
1832, Provincia de Buenos Aires, Argentina  
Phone: +54 (11) 4243-9373  
Phone: +54 (9 11) 4026-8563  
E-Mail: info@tavrida.com.ar

#### SOUTH AFRICA

##### Tavrida Electric Africa (Pty) Ltd.

Unit 8, N12 Industrial Park,  
188 Dr Vosloo Road, Bartlett,  
Boksburg, 1459 South Africa  
Phone: +27 (11) 9142-199  
Fax: +27 (11) 9142-323  
E-Mail: support@tavrida.co.za

#### REST OF THE WORLD

##### Tavrida Electric AG

Bahnhofstrasse 27, 6300  
Zug, Switzerland  
Phone: + 49 7542 9467851  
E-mail: TES\_SM@tavrida.ch