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## MEDIUM VOLTAGE PRODUCTS

# Vacuum contactor 3TM for high-frequent switching

Reliable and sustainable Technology – Made in Germany

**The 3TM is designed for one million switching cycles and stands for a long mechanical service life. The MV contactor is also one of the few vacuum contactors on the market that can be mounted in virtually any position.**

Rated Voltage: 7,2 kV - 15 kV

Operating voltage: 24 V DC - 250 V DC / 100 V AC - 240 V AC

### Features



#### Innovative and reliable vacuum technology

- Sustainable and F-gas-free for an ecological energy transition
- Maintenance-free
- Conformity with global Standards



#### Compact and flexible design

- 1-pole and 3-pole versions
- Contactor-fuse combination
- Easy replacement and modification as well as easy retrofit of components
- Individually adjustable switching times
- Various mounting positions



#### Robust design

- Highly shock-resistant
- Suitable for ambient temperatures from -40 °C bis +70 °C
- Suitable for applications in altitudes of up to 5,000 m

### Customer Benefits



- Optimum integration due to a flexible mounting position



- Highly reliable for 1 Mio. maintenance-free operations



- Reduced OPEX through minimized power consumption during operation

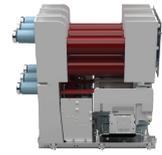


- Optimized space requirement due to flexible and compact design



- Short lead times and responsive customer support

**SIEMENS**



Type		3TM1	3TM3	3TM4 - Compact	3TM4 - HighCurrent
Number of poles	kV	1-pole	3-pole	3-pole	3-pole
Rated voltage	kV	L-L 7.2 ... 12 / L-N 4.15 ... 6.9	7.2 ... 15	7.2 ... 12	Up to 12
Rated frequency	Hz	50/60	50/60	50/60	50/60
Rated operational current	A	450	Up to 450	450	450
Thermal current	A	450	Up to 450	Up to 200	Up to 400
Rated short-circuit breaking current (limit switching capacity)	kA	5	Up to 5	Up to 50	Up to 50
Rated short time withstand current (r.m.s. value) 1 s	kA	8	8	8	8
Mechanical endurance of contractor without closing latch	operating cycles	100,000	Up to 1 Mio.	1 Mio.	1 Mio.
Number of fuses		-	-	1 per phase	Up to 2 per phase

AuCom MCS is making its motorized softstarter switchgear more compact with medium-voltage vacuum contactors of the series 3TM.



Variable mounting positions and the modified mechanical connection concept of the 3TM enable the copper bars to be shortened by almost 20% and reduce the width of our systems by more than 20%.

**Thomas Zirk**  
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