

Remote tripping, MX/MN

MX or MN voltage releases are used to trip the circuit breaker, they serve primarily for remote, emergency-off commands, it is advised to test the system six months.


Circuit breakers controlled by MX or MN: when the circuit breakers have been tripped by an MX or MN release, they must be reset before it can be closed.

MX shunt release opens the circuit breaker via an impulse-type ($\geq 20\text{ms}$) or maintained order, when MX release is supplied, it automatically opens the circuit breaker, opening is ensured for a voltage $U \geq 0.7 \times U_n$.


MN undervoltage release opens the circuit breaker when its supply voltage drops to a value below 35% of rated voltage U_n :

- Automatic opening of the circuit breaker is ensured when the continuous voltage supply to release $U \leq 0.35 \times U_n$;
- If the supply voltage is between 0.35 and 0.7 U_n , opening is possible, but not guaranteed. Above 0.7 U_n , opening does not take place;

Electrical characteristics of shunt release MX

	Power supply	VAC	50/60Hz: 24-48-100/130-200/240
			50Hz: 380/415, 60Hz: 208/277
		VDC	12-24-30-48-60-125-250
	Operating range	0.7 to 1.1 U_n	
	Consumption, VA or W	Pick-up: 10	
	Response time, ms	50	

Electrical characteristics of undervoltage release MN

	Power supply	VAC	50/60Hz: 24-48-100/130-200/240
			50Hz: 380/415, 60Hz: 208/277
		VDC	12-24-30-48-60-125-250
	Operating threshold	Opening	0.35 to 0.7 U_n
		Closing	0.85 U_n
	Operating range	0.85 to 1.1 U_n	
Consumption, VA or W	Pick-up: 10, Hold: 5		
Response time, ms	50		