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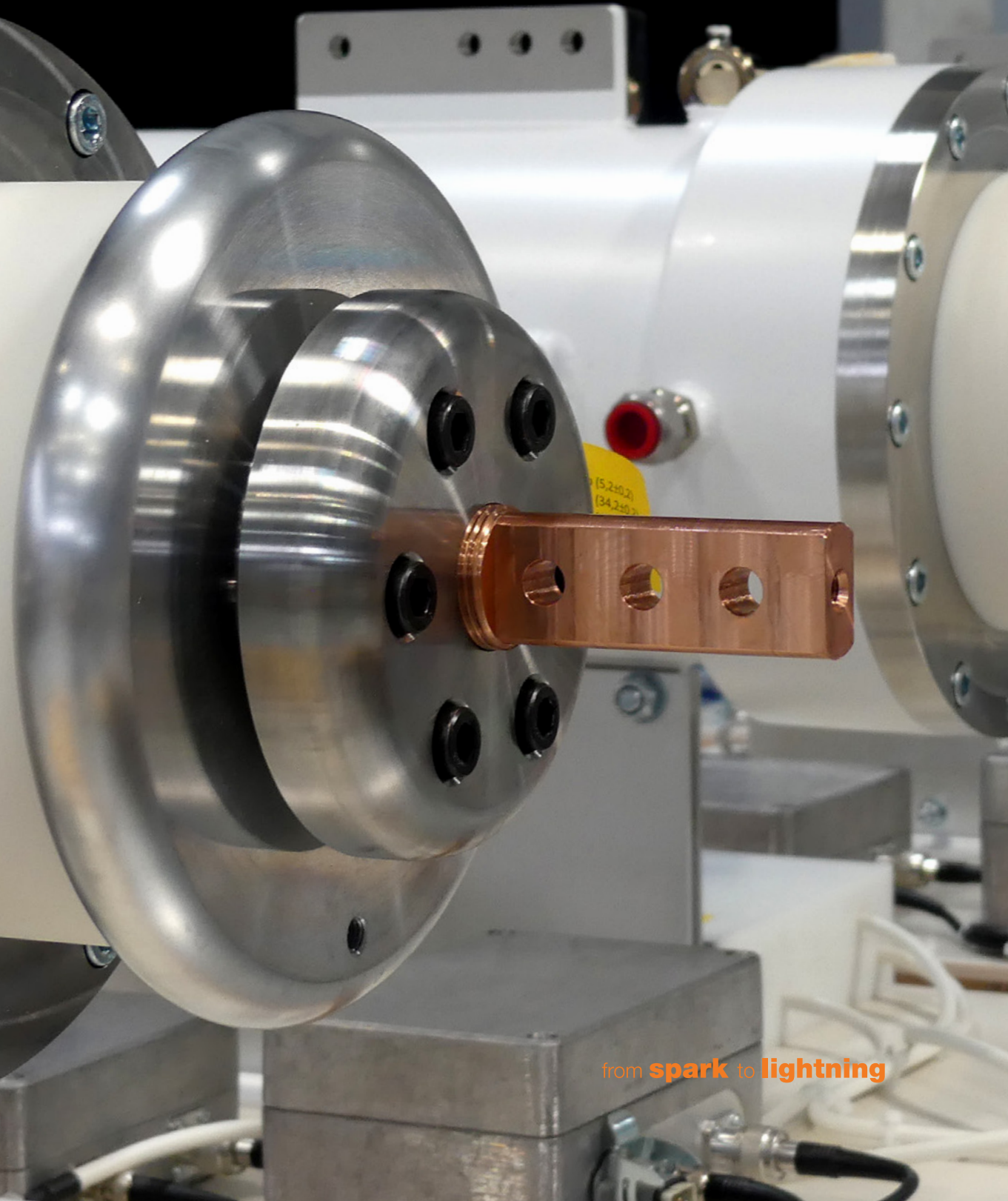
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Leader in Pulsed Power Systems

# High Coulomb Switch for High Energy Transfer



from **spark** to **lightning**

# The High Coulomb Switch for High Energy Transfer

The high Coulomb switch is designed for capacitor banks storing from a few tens of kilojoules to several hundred kilojoules. It features reliability, ruggedness and extreme safety. This family of switches is suitable for applications where high load transfer and a long service life are key parameters.

## Reliability and robustness

Tens of thousands of shots have been successfully realized without failure, with extremely limited or no maintenance required.

## Safety and Ecology

None of the materials required to manufacture the High Coulomb Switch are toxic (mercury is notably absent), and all are readily available. During operation, the switch is exposed to dry air at atmospheric pressure (no SF6).

## Ease to use

Simplified interfaces make it very easy to integrate the switch into your own system. It is delivered with its own triggering system.

## Adaptability

Multiple versions are available based on the transferred charge (up to 70 Coulombs). The operating voltage is also adjustable.



MP-4C

MP-70C

## Technical parameters

Output voltage	up to 24 kV
Maximum current	25 kA (MP-4C) or 250 kA (MP-70C)
Pulse duration (FWHM)	from ~60 $\mu$ s to 250 $\mu$ s
Charge transferred	4 C to 70 C
Lifetime (w/o maintenance)	> 20,000 shots
	Embedded trigger with f.o. command

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