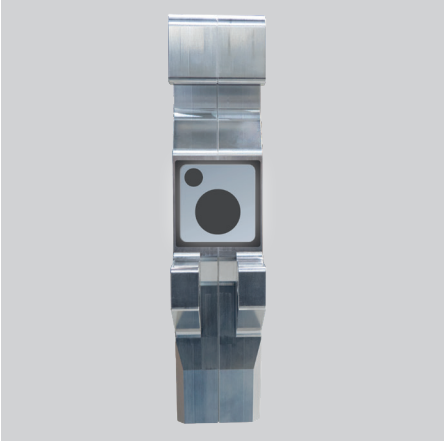
MOBA DUAL-LINK



INDUCTIVE CONNECTIVITY FOR MOBILE MACHINES

MOBA DUAL-LINK enables contactless transmission of power and data between machine components. Based on Qi-compatible electromagnetic induction technology, the system transfers up to 120 W of power and bidirectional communication signals without physical connectors or exposed contact pins.

» Increased machine reliability
» Reduced maintenance and downtime
» Greater design freedom for OEMs

Preliminary technical data	
Nominal voltage	12V / 24V
Operating voltage	8 … 33 V DC
Max. transmit power	120W (only at 24V)
Efficiency	≥ 80 %
Operating frequency	100kHz … 2
Air gap	3 mm ± 1 mm
Axial tolerance	± 2 mm
Radial Tolerance	± 2 mm
Max. tilt	PA6.6 GK30, RAL 1021
Material environment	Plastic / Metal(1)
Max. wall thickness of plastic	1 mm
Operating temperature	-25 … +85 °C
Storage temperature	-40 … +85°C
Protection class	IP67
Protocols	UART, CAN
Data direction	Bidirectional
Max. data rate (UART)	≤ 10 Mbit/s
Latency	≤ 10 ms
Maximum module dimensions (PCB)	50 × 60 × 30 mm

CANopen CAN

MOBA® MOBILE AUTOMATION