

ONE
STOP
SHOP
INSIDE



Industrial Mobile Robots

A M R
A G V
A G C
L G V
M G V
M I R
S G V
A I V
U G V

Charging Solutions
Energy Storage
Mobile Safety



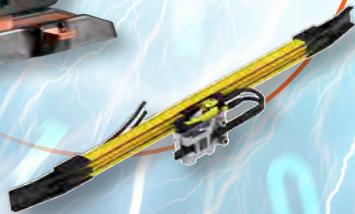
We are the One-Stop-Shop for robot manufacturers

Broad Product Portfolio including Energy & Charging Solutions.
A Product Bundle which fits every need:

- A unique supplier for several key components
- A single contact point to help you with your needs
- Alignment of products features with maximum flexibility
- A proven experience with a worldwide presence
- A logistics knowhow going far beyond robots



ENERGY STORAGE



MOBILE SAFETY

CHARGING SOLUTIONS



The perfect bundle of products for industrial mobile robots...

»»» CHARGING SOLUTIONS



- No wear and tear
- Stationary inductive charging
- Plug & Play
- No floor modifications needed
- High positioning tolerances

Nominal Power	3 kW
Voltage	21 - 59 V DC
Max. Current	up to 60 A
Operating Temp.	0 to + 45° C
IP Rating	Wallbox : IP 54 Pad: IP 65
Communication	CAN 2.0b CAN Open Ethernet UDP/TCP

INDUCTIVE CHARGING



- Scalable in voltage and power level
- Perfect supplement to charging contacts and segments
- Robust & reliable industry solution
- Fast automatic start
- Ultra fast switch off

Nominal Power	2 kW up to 9 kW
Voltage	24 V 48 V
Operating Temp.	+5 °C to + 40° C
IP Rating	IP 20
Communication	CAN 2.0b CAN Open

CONDUCTIVE CHARGER



- Stationary or Mobile charging
- Discontinuous charging segments
- 1.000.000 worry free cycles
- DC and AC applications
- Proven rail technology
- Finger proof

Voltage	60 Vdc or 400 Vac
Nominal Current	Collector: 34 A or 2 x 34 A Rail segment: 50 A / segment
Operating Temp.	-5 to +60 °C
IP Rating	IP 21
Cycles (Make and Break)	1.000.000 Cycles

CHARGING SEGMENTS

... for your application!



Intralogistics, Regional Distribution Centers, Customer Fulfillment Centers, Parcel Sorting



CHARGING CONTACTS

- Stationary direct charging
- 1.000.000 worry free cycles
- Simple, compact, robust
- 3 series covering all ratings
- Optional CAN / Pilot contacts
- Highly modular and adaptable

Voltage	up to 60 V
Nominal Current	20 – 600 A
Operating Temp.	-30 to +130 °C
Communication	tested for CAN
Cycles (Make and Break)	1.000.000 Cycles

»» ENERGY STORAGE



BATTERIES

- Proven Li-Ion technology
- Robust and reliable controls
- Integrated BMS
- 60Ah, 90Ah, 120Ah
- Separate Charge and Discharge Circuit

Voltage	48 V
Max. Current	3,0 C Discharging 1,0 C Charging
Operating Temp.	0 to + 45° C
IP Rating	IP 20
Cycles	> 2.500 Cycles
Communication	CAN 2.0b

»» MOBILE SAFETY



SAFETY RADIO SOLUTIONS

- Semi-automatic operation controls
- Maintenance take-over
- Global Fleet E-Stop solution
- Fleet battery saving management
- Reliable data transfer

Safety	SIL3 – PLe
Frequencies	434-868-915 MHz 2.4 GHz
Radio	live signal diagnosis tools
Range	expandable*
Communication	with all controllers

* with means specific to robot environments



g, Process Manufacturing, Warehousing, Automotive Industry, Innovative Solutions, etc

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Conductix-Wampfler has just one critical mission:
To provide you with energy and data transmission
systems that will keep your operations up and
running 24/7/365.

To contact your nearest sales office, please refer to:
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