

PWRMOVE[®]

Contactless power supply

E-Pickup

EPU05-001500

1.5 kW

IN CONJUNCTION WITH PWRMOVE TRACK SYSTEM (TRX)

Type	Track Gauge	Current	Frequency
TRX05-000055	55 mm	50 A	85 kHz



TECHNICAL DATA

Output

Continuous output power at 40°C	1 kW
Max. output power	1.6 kW, D=40%, T=10 min
Max Output Current	21 A AC (85kHz)

Supply

Track gauge	55 mm
Frequency	85 kHz
Nominal track current	50 A

Cooling

Air Cooling	Min. 1m/s air flow
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Mechanical integration

Nominal distance TRX-EPU	10 mm
Tolerance distance TRX-EPU	+ 15 mm, -7 mm

Enclosure

Outer dimensions (WxDxH)	108 x 185 x 56 mm
Weight	1.66 kg (approx.)
Enclosure protection	IP 65
Color	RAL 9005, Black

Environmental Conditions

Industrial environment	Indoor
Ambient operating temperature	+5°C - +40°C

Related products

IPR05-001500

ORDER NUMBERS / VARIANTS

Item	Description	Technical Data
20416200	E-Pickup	1.5kW - 85kHz, 55mm 3G2.5mm ² , L=1150mm

PWRMOVE[®]

Contactless power
supply

Inductive Power Regulator

IPR05-001500
1.5 kW - 48-65 V DC

IN CONJUNCTION WITH PWRMOVE TRACK SYSTEM (TRX)

Type	Track Gauge	Current	Frequency
TRX05-000055	55 mm	50 A	85 kHz



TECHNICAL DATA

Output

Continuous output power at 40°C	1 kW
Max. output power	1.5 kW, D=40%, T=10 min
Output Voltage	48 V DC (65 V DC)
Max Output Current	31.2 A DC (23 A DC)
Customer interface	CAN, I/O Logic

Supply

Frequency	85 kHz
Nominal track current	50 A

Cooling

Air Cooling	Min. 1m/s air flow
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Enclosure

Outer dimensions (WxDxH)	125 x 224 x 59 mm
Weight	1.2 kg (approx.)
Enclosure protection	IP 65
Color	RAL 9005, Black

Environmental Conditions

Industrial environment	Indoor
Ambient operating temperature	+5°C - +40°C

Related products

EPU05-001500

ORDER NUMBERS / VARIANTS

Item	Description	Technical Data
20436940	Inductive Power Regulator	1.5kW

PWRMOVE[®]

Contactless power supply

Inductive Power Supply

IPS05-020000
20kW - IP54



IN CONJUNCTION WITH PWRMOVE TRACK SYSTEM (TRX)

Type	Track Gauge	Current	Frequency
TRX05-000055	55 mm	50 A	85 kHz

TECHNICAL DATA

Output

Continuous output power	20 kW
Max. output power	23 kW for 1 minute
Frequency	85 kHz
Output Voltage	750V AC
Output Current	50 A AC
Efficiency (Output terminal)	97%

Supply

Input voltage	3-phase symmetric 400 V / 480 V ± 10%
Frequency	50 Hz / 60 Hz
Input current	32 A (RMS)

Enclosure

Outer dimensions (WxDxH)	332 x 377 x 1029 mm
Weight	70 kg (approx.)
Enclosure protection	IP 54
Color	RAL 9005, Black

Cooling

Ventilator	Radial fan
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Environmental Conditions

Industrial environment	Indoor
Ambient operating temperature	+5°C - +40°C

ORDER NUMBERS / VARIANTS

Item	Description	Technical Data
20799022	Inductive Power Supply	20kW - IP54 50A, 85kHz

PWRMOVE[®]

Contactless power
supply

Track System

TRX05-000055
55mm - 50A

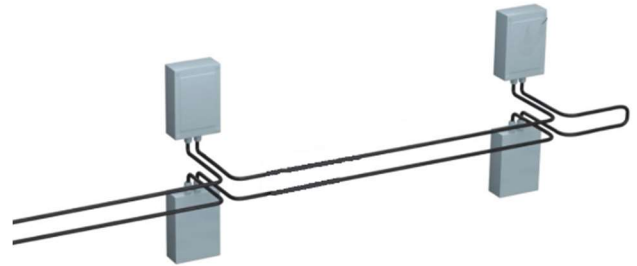
TECHNICAL DATA

Supply

Frequency	85 kHz
Nominal line current	50 A AC
Track gauge	55 mm

Environmental Conditions

Industrial environment	Indoor
Ambient operating temperature	+5°C to +40°C



BASIC COMPONENTS

Track Cable

Litz Cable	LZC05-000010
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Track Guidance

Guidance Profile Straight	GPS05-000010
Guidance Profile Flex	GPF05-000010
Guidance Profile Retainer	GPR05-000068

Cable Deviation

Deviation Bracket Kit	DBK05-000010
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Track Tuning

Capacitor Module	CMO05-000000
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PWRMOVE® TRX05-000055

TRACK CABLES

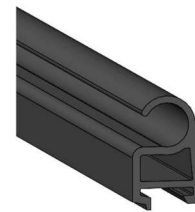
Litz Cable	LCZ05-000010
Rated Size	10 mm ²
Outer diameter	7.7 +/- 0.5 mm
Material	PUR, copper
Colour	RAL 9005, Black



Item	Description	Technical Data
PT4200001	Litz Cable	PUR, 10mm ² , 50A

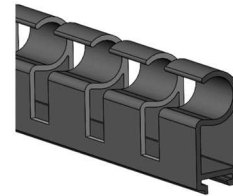
TRACK GUIDANCE

Guidance Profile Straight	GPS05-000010
Rated Size	10 mm ²
Outer dimensions (WxDxH)	13 x 4000 x 21.1 mm
Material	PC-ABS
Colour	RAL 9005, Black



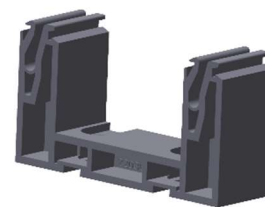
Item	Description	Technical Data
20806150	Guidance Profile Straight	PC-ABS, 10mm ² L=4000mm

Guidance Profile Flex	GPF05-000010
Rated Size	10 mm ²
Outer dimensions (WxDxH)	13 x 2512 x 21.1 mm
Material	PC-ABS
Colour	RAL 9005, Black



Item	Description	Technical Data
20806151	Guidance Profile Flex	PC-ABS, 10mm ² L=2512mm

Guidance Profile Retainer	GPR05-000068
Rated Size	55 mm
Outer dimensions (WxDxH)	68 x 20 x 37.82 mm
Material	PA
Colour	RAL 9005, Black



Item	Description	Technical Data
22036775	Guidance Profile Retainer	PA, 55mm

PWRMOVE® TRX05-000055

CABLE DEVIATION

Deviation Bracket	DBK05-000010
Rated Size	10 mm ²
Outer dimensions (WxDxH)	91.7 x 35.35 x 56.5 mm
Material	PC-ABS
Colour	RAL 9005, Black



Item	Description	Technical Data	
20806152	Deviation Bracket	PC-ABS, 10mm ² , 90°	Kit

TRACK TUNING

Capacitor Module	CMO05-000000
Rated Size	50 A
Outer dimensions (WxDxH)	130.1 x 60 x 207.9 mm
Material	PC
Colour	RAL 7035, Light-Grey



Item	Description	Technical Data	
20385978	Capacitor Module	247.5nF – 313.5nF	85kHz