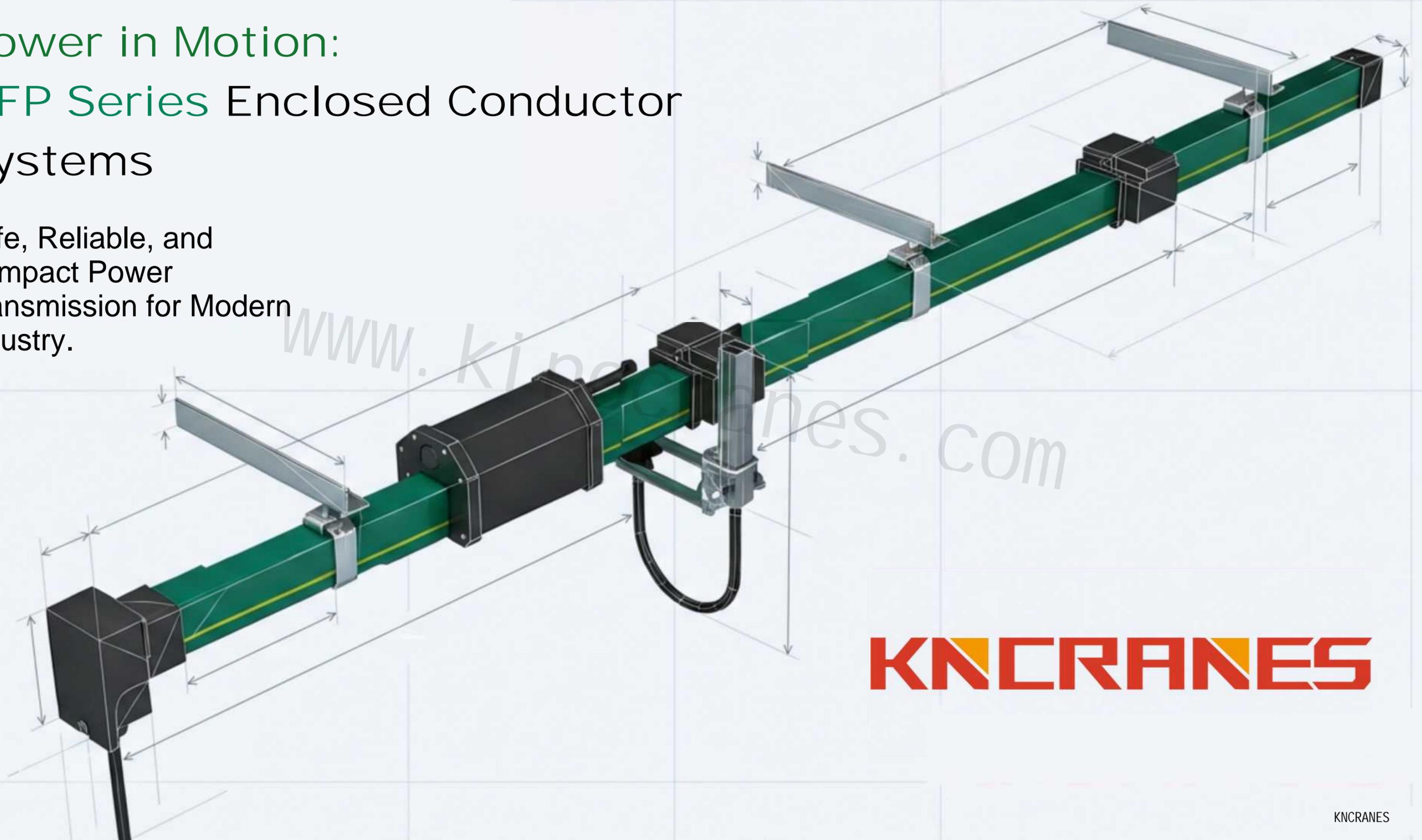


Power in Motion: HFP Series Enclosed Conductor Systems

Safe, Reliable, and
Compact Power
Transmission for Modern
Industry.



KNCRANES

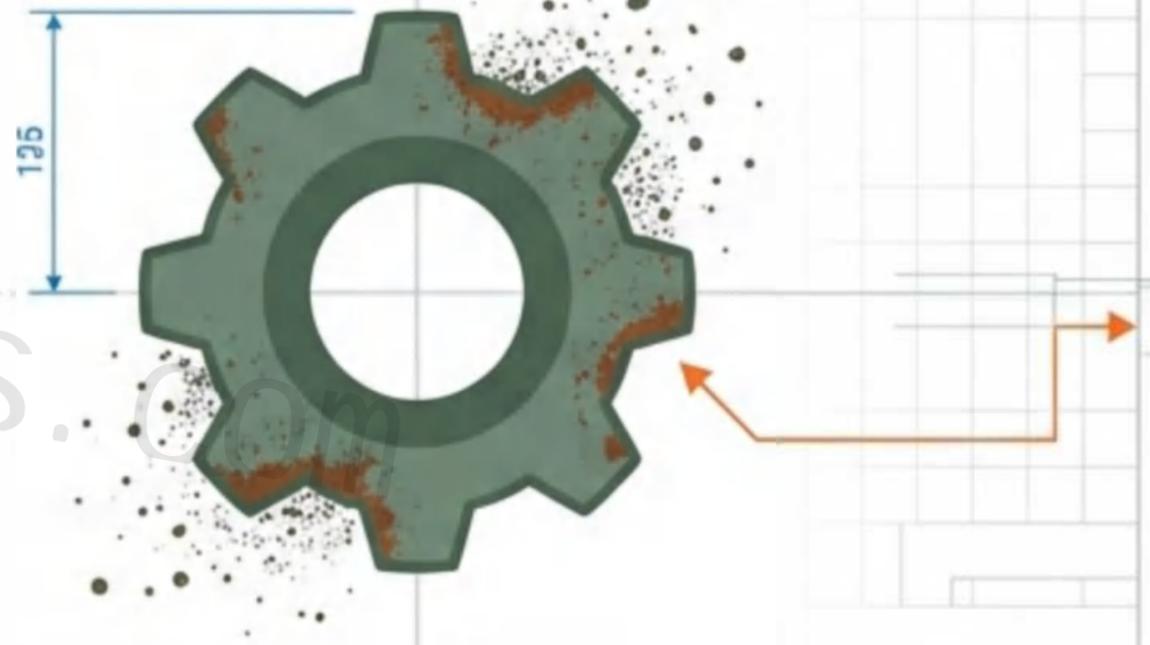
THE HIDDEN COSTS OF EXPOSED POWER

SAFETY RISKS



Traditional open conductor systems expose personnel to high-voltage risks, increasing accident liability in busy workshops.

ENVIRONMENTAL VULNERABILITY

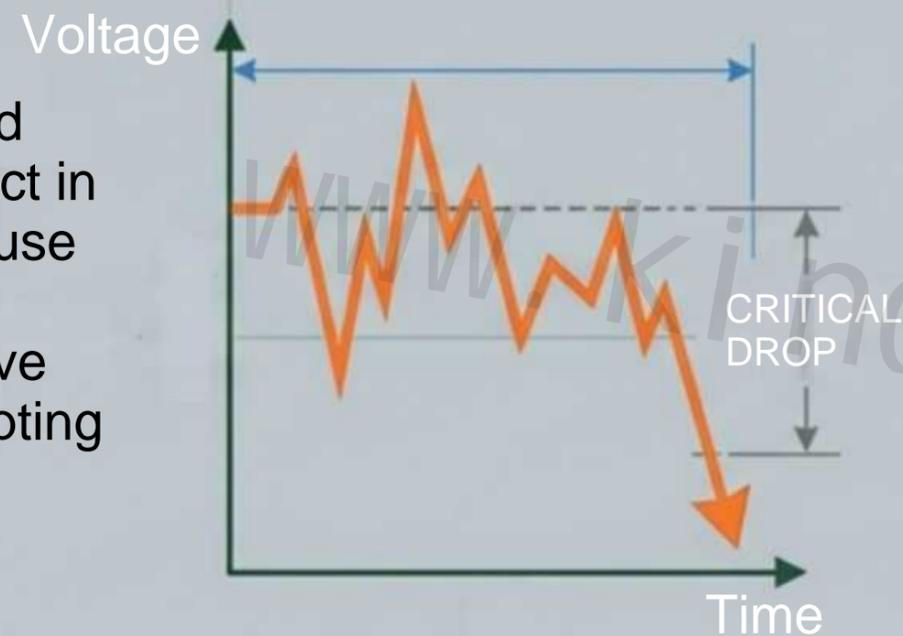


Dust, moisture, and corrosive elements degrade exposed contact surfaces, leading to rapid component failure and frequent replacement.

WHEN STABILITY FAILS, PRODUCTION STOPS

UNSTABLE POWER

Voltage drops and intermittent contact in older systems cause crane stuttering, damaging sensitive motors and disrupting assembly lines.



MAINTENANCE BURDEN



Complex assembly and non-standardized parts result in extended downtime during repairs, costing valuable production hours.

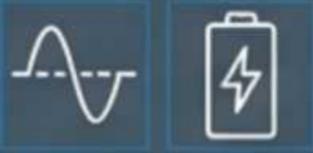
RELIABLE POWER TRANSMISSION IS THE BACKBONE OF
AUTOMATED INDUSTRIAL EFFICIENCY.

MEET THE HFP SERIES: ENGINEERED FOR EXCELLENCE



IP43 PROTECTION

Uncompromised Safety
Against Dust and
Moisture.



STABLE POWER SUPPLY

Continuous Energy for
Uninterrupted
Operations.



DURABLE STRUCTURE

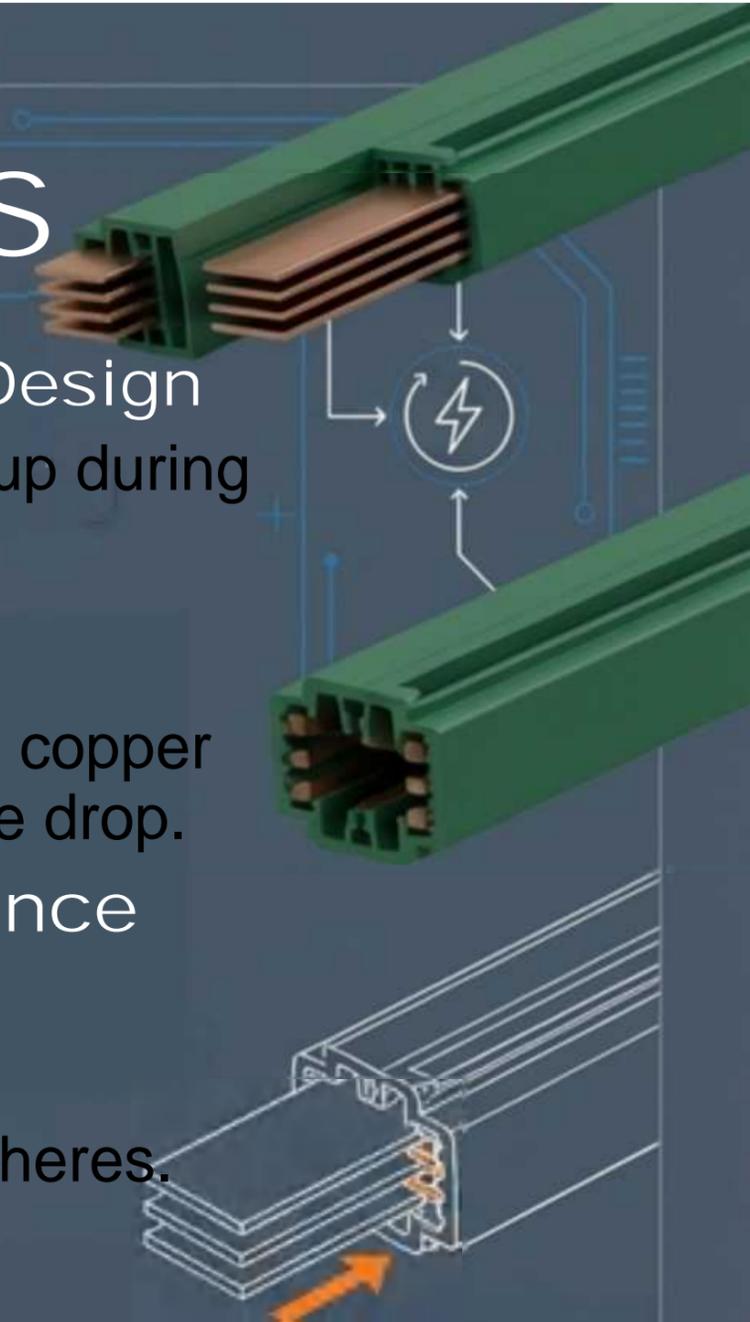
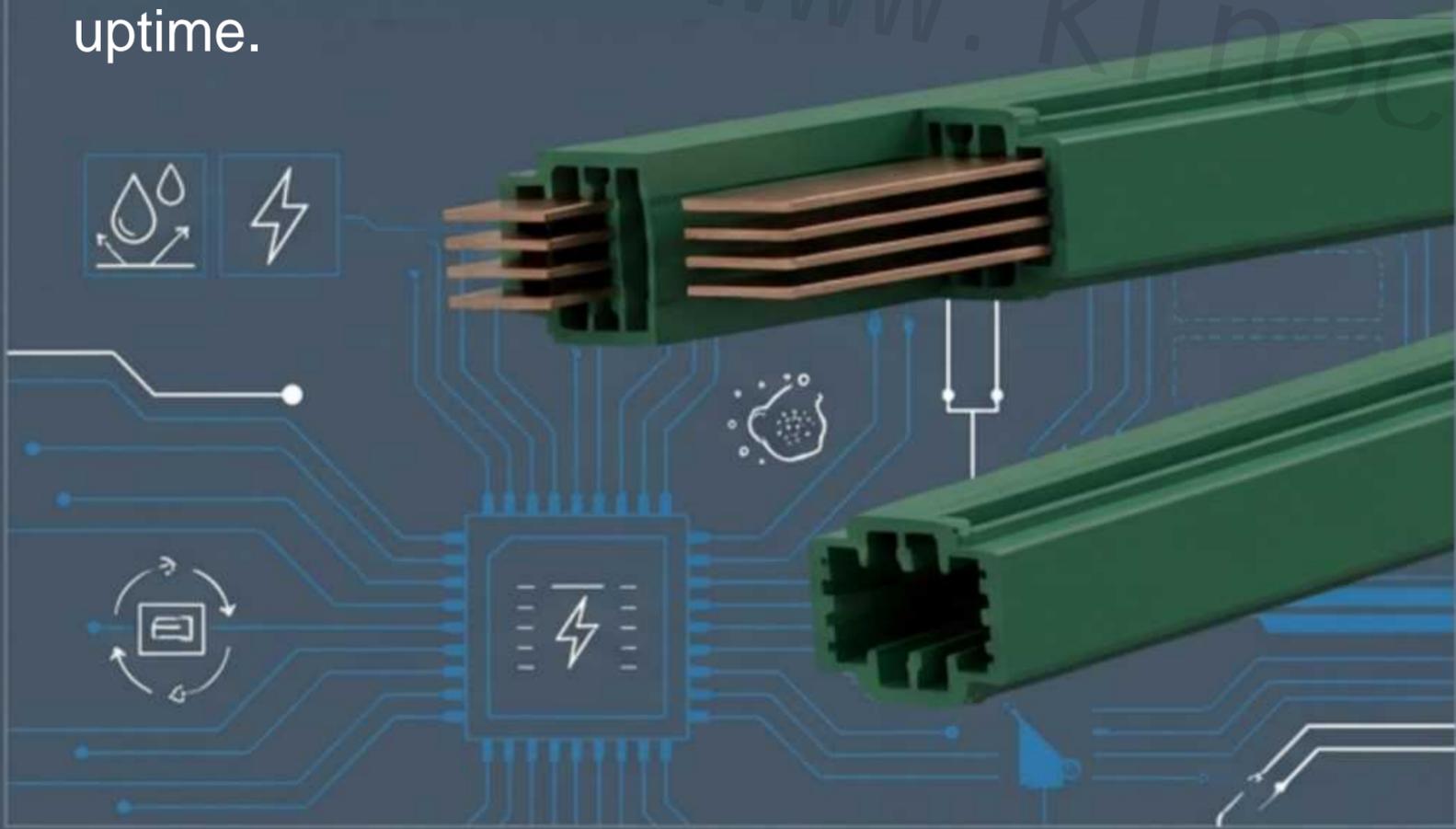
Rugged PVC Housing
Built to Last.

The HFP Advantages

The HFP Series delivers a seamless power solution for indoor and outdoor workshops, cranes, and assembly lines. Featuring a multi-scenario design with self-locking connectors, it adapts effortlessly to complex industrial layouts while ensuring maximum operational uptime.

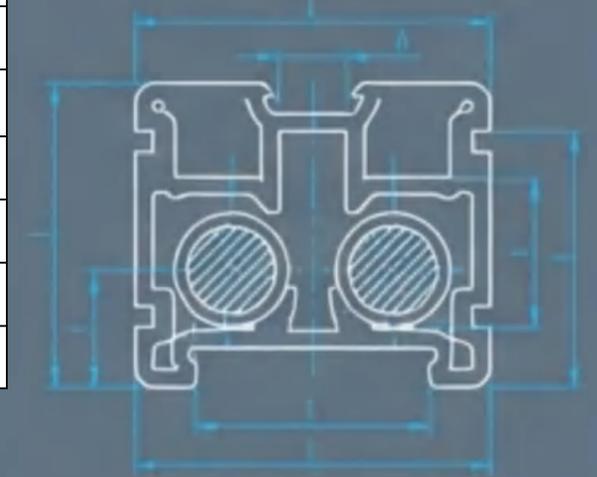
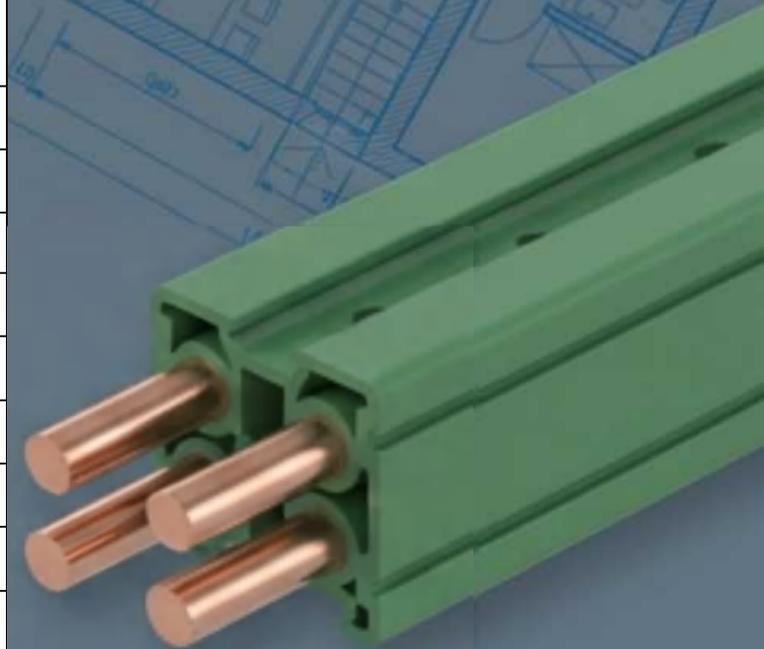
CORE VALUES

1. **Anti-Condensation Design**
Prevents moisture buildup during temperature shifts.
2. **Low Impedance**
High-purity oxygen-free copper ensures minimal voltage drop.
3. **Corrosion Resistance**
High-grade housing withstands harsh industrial atmospheres.
4. **Rapid Installation**
Self-locking mechanisms reduce assembly time significantly.
5. **Versatile Configuration**
Available in 3, 4, and 5-pole options for diverse power needs.



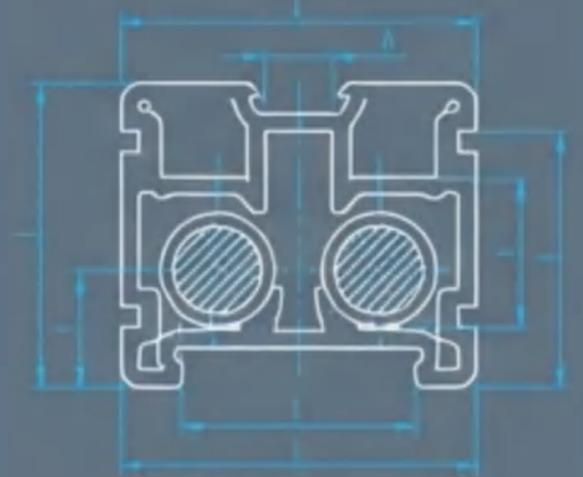
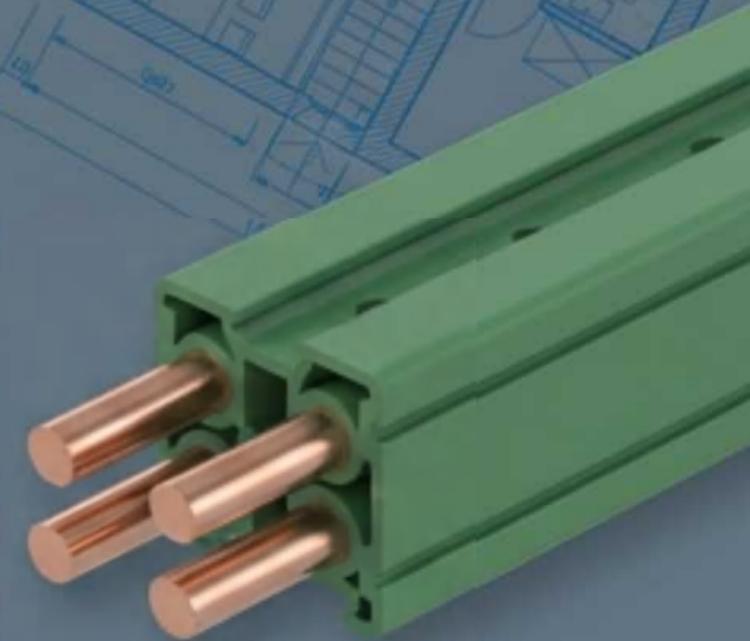
TECHNICAL PARAMETER-HFP56 Series

型号 Type	极数 Poles	单相横截面积(mm ²)Conductor cross section	额定载流量(A)Max. current	电气间隙(mm)Leakage- distance	额定电压(V)Max. Voltage	电阻(2/km) Resistance	重量(kg)Weight	产品编码Order- No.
HFP56-4-8/35	4	8	35	35	660	1.944	2.09	560814-A/B
HFP56-4-10/50	4	10	50	35	660	1.656	2.16	561014-A/B
HFP56-4-12/65	4	12	65	35	660	1.321	2.23	561214-A/B
HFP56-4-15/80	4	15	80	35	660	1.137	2.30	561514-A/B
HFP56-4-20/100	4	20	100	33	660	1.011	2.43	562024
HFP56-4-25/120	4	25	120	33	660	0.713	2.56	562524
HFP56-4-35/140	4	35	140	33	660	0.522	2.95	563524
HFP56-4-50/170	4	50	170	33	660	0.337	3.25	565024
HFP56-4-70/210	4	70	210	33	660	0.265	3.85	567024
HFP56-4-80/240	4	80	240	30	660	0.223	4.16	568034
HFP56-3-10/50	3	10	50	45	660	1.656	1.95	561013
HFP56-3-15/80	3	15	80	45	660	1.137	2.13	561513
HFP56-3-20/100	3	20	100	45	660	1.011	2.24	562023
HFP56-3-25/120	3	25	120	45	660	0.713	2.37	562523
HFP56-3-35/140	3	35	140	45	660	0.522	2.63	563523
HFP56-3-50/170	3	50	170	45	660	0.337	3.02	565023



TECHNICAL PARAMETER-HFP52 Series

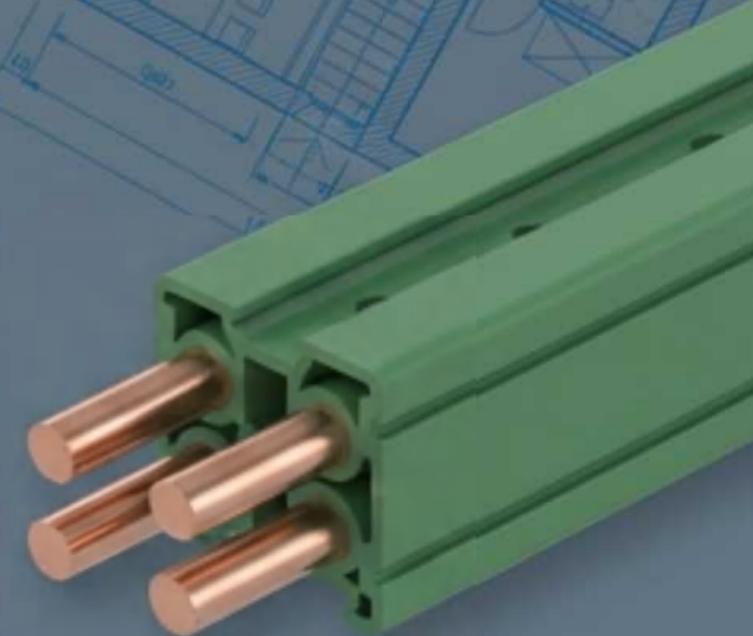
型号 Type	极数 Poles	单相横截面积(mm ²) Conductor cross section	额定载流量(A) Max.current	电气间隙(mm) Leakage-distance	额定电压(V) Max.Voltage	电阻(2/km) Resistance	重量(kg) Weight	产品编码 Order-No.
HFP52-4-10/50	4	10	50	55	600	1.656	2.05	521014
HFP52-5-10/50	5	10	50	15	600	1.656	2.14	521015
HFP52-6-10/50	6	10	50	15	600	1.656	2.23	521016
HFP52-7-10/50	7	10	50	15	600	1.656	2.32	521017
HFP52-4-15/80	4	15	80	55	600	1.137	2.32	521514
HFP52-5-15/80	5	15	80	15	600	1.137	2.44	521515
HFP52-6-15/80	6	15	80	15	600	1.137	2.58	521516
HFP52-7-15/80	7	15	80	15	600	1.137	2.71	521517
HFP52-4-20/100	4	20	100	55	600	1.011	2.47	522014
HFP52-5-20/100	5	20	100	15	600	1.011	2.65	522015
HFP52-6-20/100	6	20	100	15	600	1.011	2.83	522016
HFP52-7-20/100	7	20	100	15	600	1.011	2.99	522017
HFP52-4-25/120	4	25	120	55	600	0.713	2.63	522514
HFP52-5-25/120	5	25	120	15	600	0.713	2.83	522515
HFP52-6-25/120	6	25	120	15	600	0.713	3.02	522516
HFP52-7-25/120	7	25	120	15	600	0.713	3.27	522517
HFP52-4-35/140	4	35	140	55	600	0.522	2.97	523514
HFP52-5-35/140	5	35	140	15	600	0.522	3.25	523515
HFP52-6-35/140	6	35	140	15	600	0.522	3.58	523516
HFP52-7-35/140	7	35	140	15	600	0.522	3.87	523517



TECHNICAL PARAMETER-HFP60&4 Series

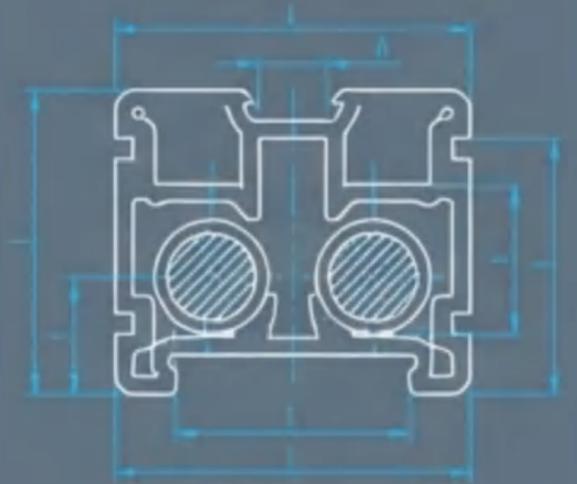
HFP60 Series

型号 Type	极数 Poles	单相横截面积(mm ²) Conductor cross section	额定载流量(A) Max.current	电气间隙(mm) Leakage-distance	额定电压(V) Max.Voltage	电阻(2/km) Resistance	重量(kg) Weight	产品编码 Order-No.
HFP60-4-10/50	4	10	50	34	600	1.656	2.37	591014
HFP60-4-15/80	4	15	80	34	600	1.193	2.49	591514
HFP60-4-20/100	4	20	100	34	600	1.011	2.63	592014
HFP60-4-25/120	4	25	120	34	600	0.761	2.75	592514
HFP60-4-35/140	4	35	140	34	600	0.542	3.12	593514



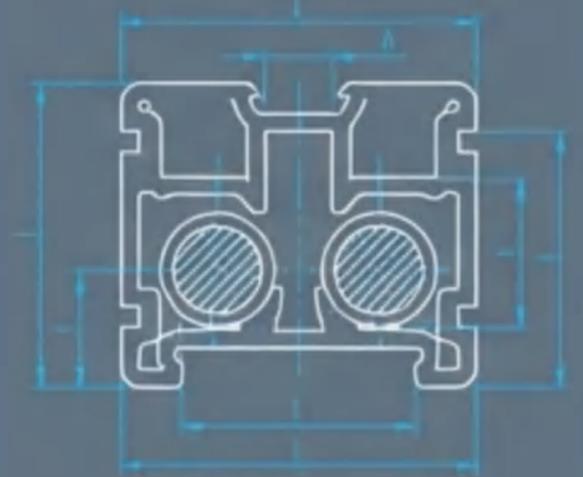
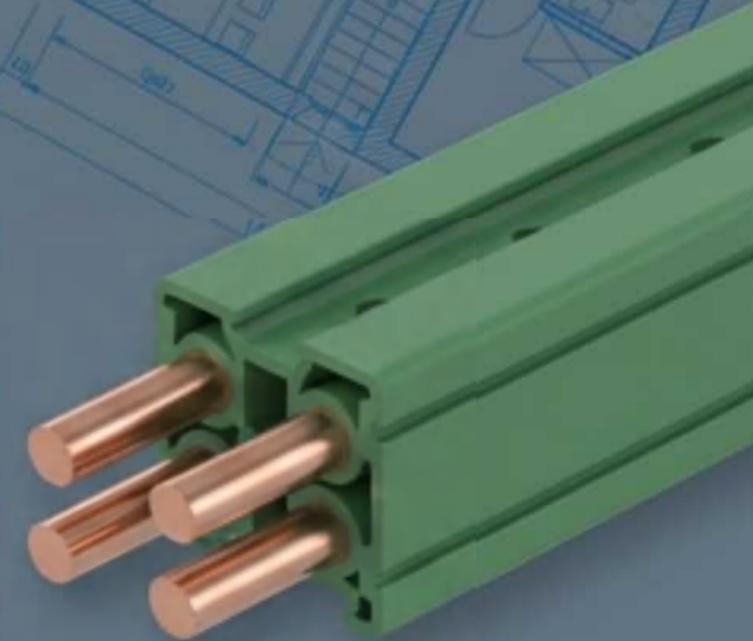
HFP4 Series

型号 Type	极数 Poles	单相横截面积(mm ²) Conductor cross section	额定载流量(A) Max.current	电气间隙(mm) Leakage-distance	额定电压(V) Max.Voltage	电阻(2/km) Resistance	重量(kg) Weight	产品编码 Order-No.
HFP-4-10/50	4	10	50	30	660	1.656	2.61	571014
HFP-4-15/80	4	15	80	30	660	1.193	2.77	571514
HFP-4-20/100	4	20	100	30	660	1.011	2.89	572014
HFP-4-25/120	4	25	120	30	660	0.761	3.02	572514
HFP-4-35/140	4	35	140	30	660	0.542	3.29	573514
HFP-4-50/170	4	50	170	30	660	0.379	3.73	575014



TECHNICAL PARAMETER-HFP95 Series

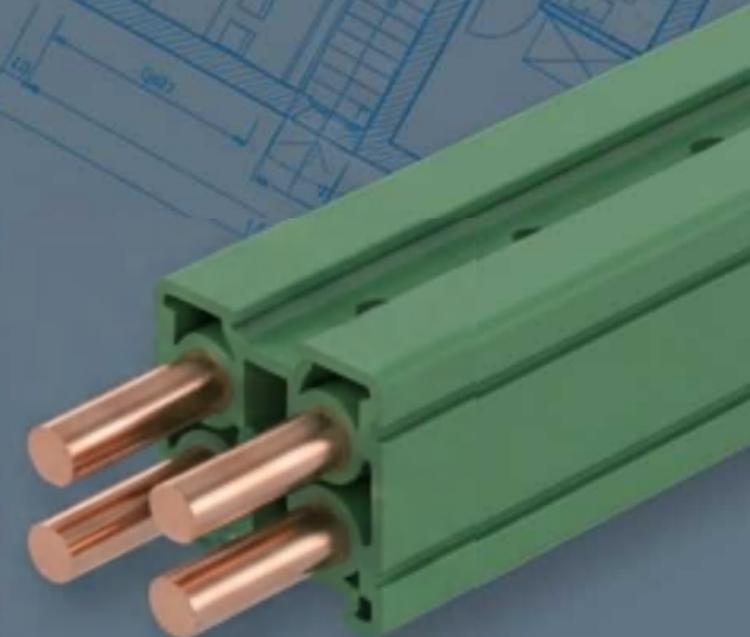
型号 Type	极数 poles	单相横截面积(mm ²) conductor cross section	额定载流量(A) Max.current	电气间隙(mm) Leakage-distance	额定电压(V) Max.Voltage	电阻(2/km) Resistance	质量(kg) Weight	产品编码 Order-No
HFP95-5-10/50	5	10	50	20	660	1.656	3.20	951005
HFP95-5-15/80	5	15	80	20	660	1.193	3.28	951505
HFP95-5-20/100	5	20	100	20	660	1.011	3.51	952005
HFP95-6-10/50	6	10	50	20	660	1.656	3.16	951006
HFP95-6-15/80	6	15	80	20	660	1.193	3.41	951506
HFP95-6-20/100	6	20	100	20	660	1.011	3.68	952006
HFP95-7-10/50	7	10	50	20	660	1.656	3.25	951007
HFP95-7-15/80	7	15	80	20	660	1.193	3.56	951507
HFP95-7-20/100	7	20	100	20	660	1.011	3.88	952007
HFP95-8-10/50	8	10	50	20	660	1.656	3.34	951008
HFP95-8-15/80	8	15	80	20	660	1.193	3.70	951508
HFP95-8-20/100	8	20	100	20	660	1.011	4.04	952008
HFP95-9-10/50	9	10	50	20	660	1.656	3.42	951009
HFP95-9-15/80	9	15	80	20	660	1.193	3.77	951509
HFP95-9-20/100	9	20	100	20	660	1.011	4.24	952009
HFP95-10-10/50	10	10	50	20	660	1.656	3.54	951010
HFP95-10-15/80	10	15	80	20	660	1.193	3.98	951510
HFP95-10-20/100	10	20	100	20	660	1.011	5.21	952010



TECHNICAL PARAMETER-HFP40&16 Series/HFJ 4 Series

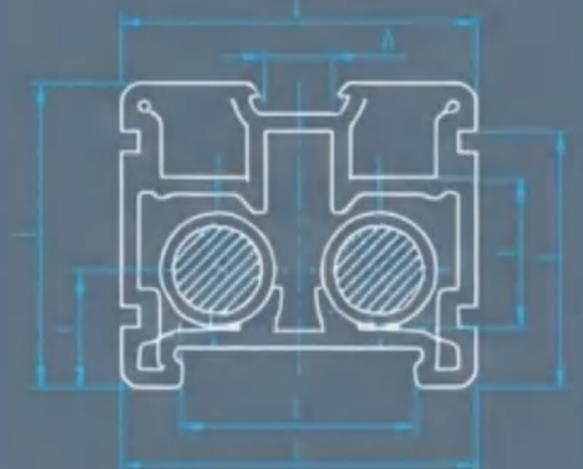
HFJ4 Series

型号 Type	极数 Poles	单相横截面积(mm ²) Conductor cross section	额定载流量(A) Max.current	电气间隙(mm) Leakage-distance	额定电压(V) Max.Voltage	电阻(/km) Resistance	重量(kg) Weight	产品编码 Order-No.
HFJ-4-10/50	4	10	50	25	660	1.656	3.03	581014
HFJ-4-15/80	4	15	80	25	660	1.193	3.19	581514
HFJ-4-20/100	4	20	100	25	660	1.011	3.31	582014
HFJ-4-25/120	4	25	120	25	660	0.761	3.44	582514
HFJ-4-35/140	4	35	140	25	660	0.542	3.71	583514
HFJ-4-50/170	4	50	170	25	660	0.379	4.15	585014



HFP40 Series

型号Type	极数 Poles	单相横截面积(mm ²) Conductor cross section	额定载流量(A) Max.current	电气间隙(mm) Leakage -distance	额定电压(V)Max. Voltage	电阻(Q/km) Resistance	重量(kg) Weight	产品编码Order -No.
HFP40-4-10/50	4	10	50	20	660	1.656	1.35	401014
HFP40-4-15/80	4	15	80	20	660	1.137	1.55	401514
HFP40-5-10/50	5	10	50	20	660	1.656	1.45	401015
HFP40-5-15/80	5	15	80	20	660	1.137	1.68	401515

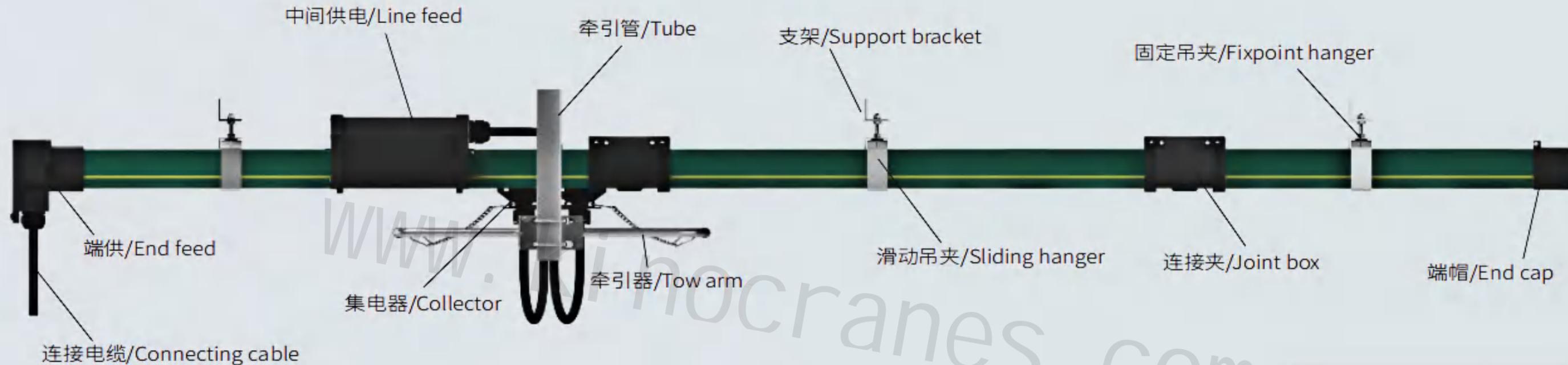


HFP16 Series

型号Type	极数Poles	单相横截面积(mm ²) Conductor cross section	额定载流量(A) Max.current	电气间隙(mm) Leakage-distance	额定电压(V) Max.Voltage	电阻(/km) Resistance	重量(kg) Weight	产品编码 Order-No.
HFP-16-10/50	16	10	50	16	660	1.656	5.46	961016
HFP-16-15/80	16	15	80	16	660	1.193	6.14	961516

The Conductor System

系统图 SYSTEM PHOTO



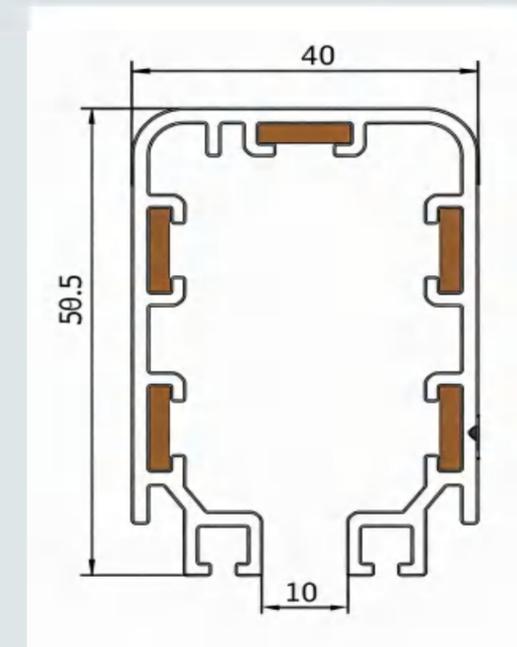
Product Specifications & Design

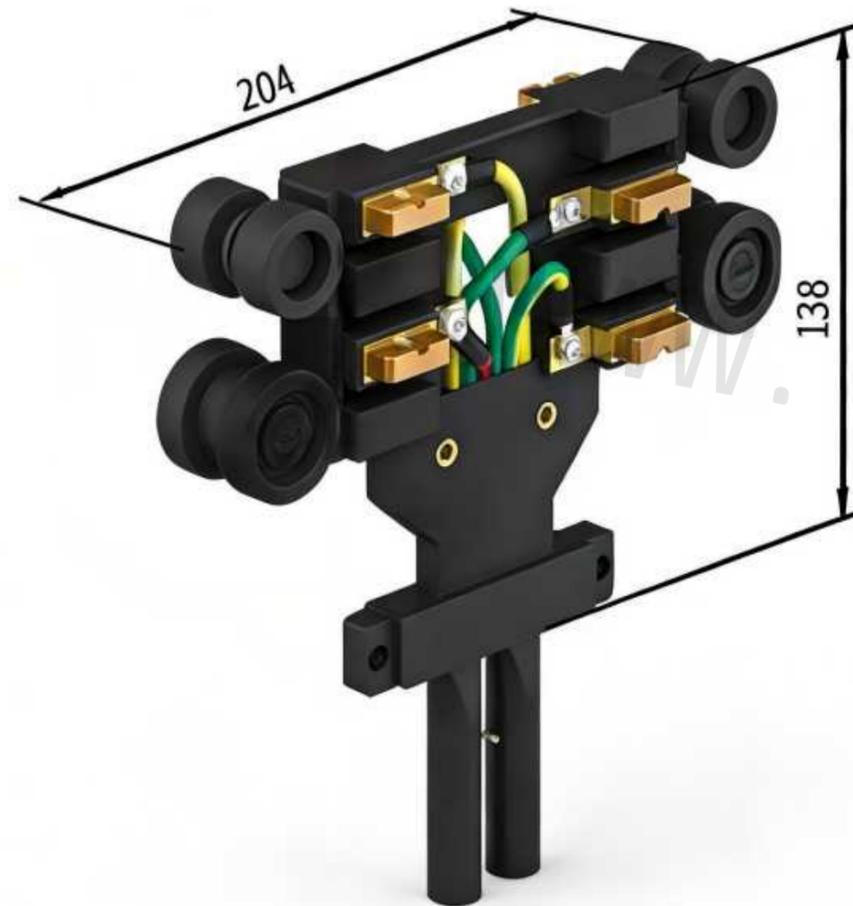
Conductor rail with engineering plastic housing (3–4 poles)

Standard length: 4 m; custom lengths up to 6 m available

Safety & Identification

Neutral conductor marked with the international yellow color code
Mechanical design of the collector and housing prevents phase-neutral reversal





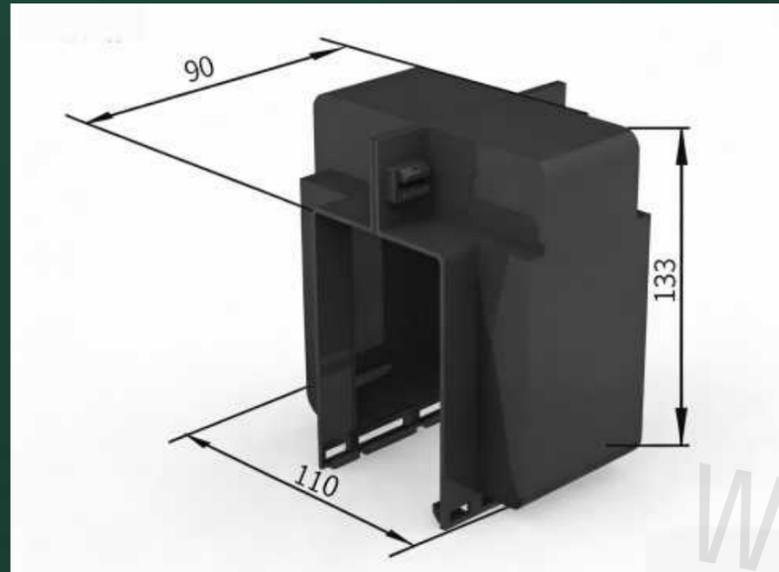
Current Collectors

Design:

Spring-loaded carbon brushes ensure uniform contact pressure.

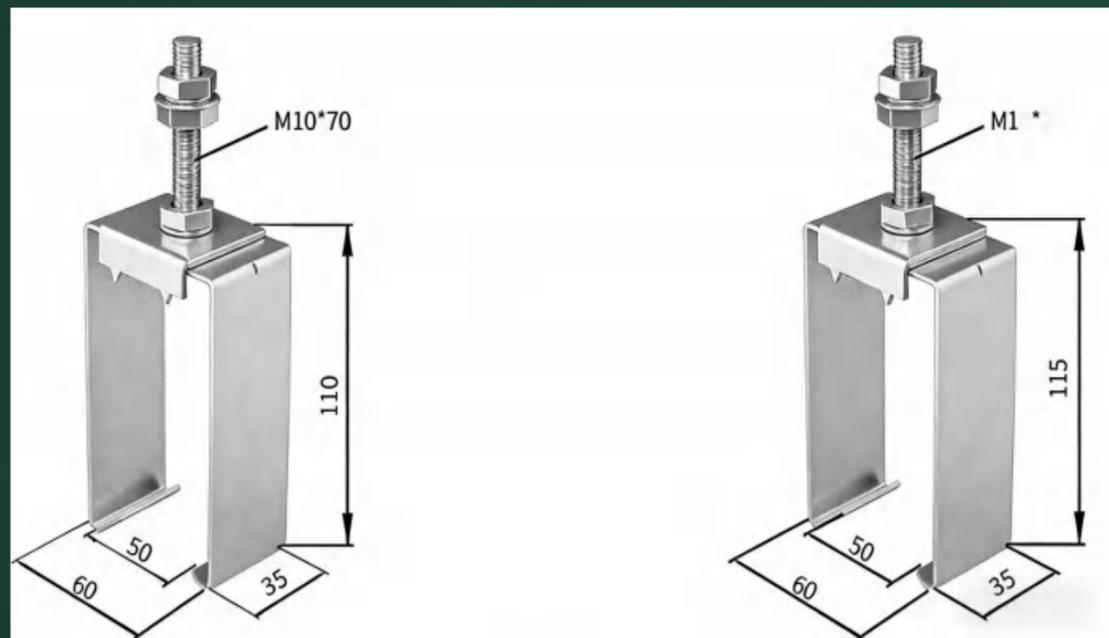
Capacity:

Double collectors available for higher amperage or transfer applications.



Jointing Box

Plastic connector for tight, secure meshing.

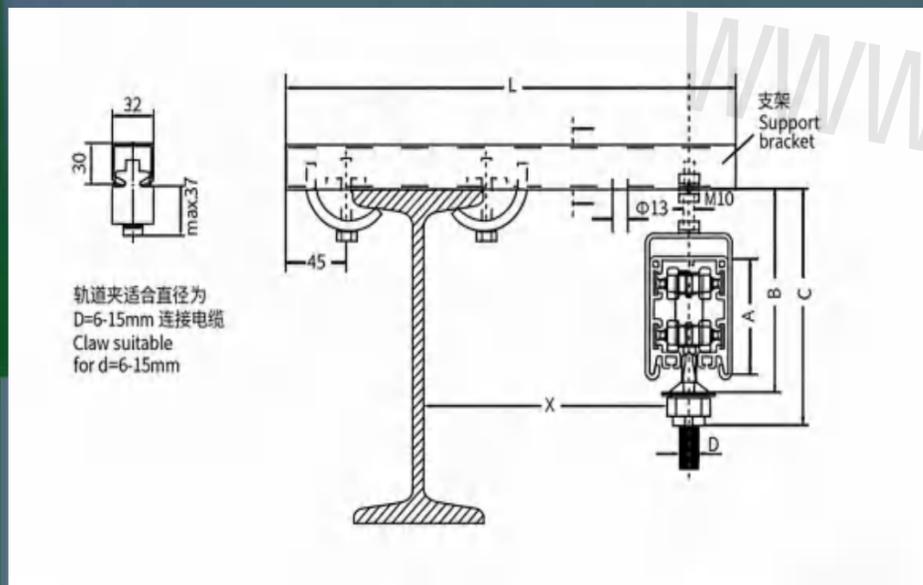


Hangers (Suspension)

Hangers are support brackets used to fix the conductor rails to the overhead beams of crane girders. Both sliding hangers and fixed hangers are available. The standard spacing is 1200mm.

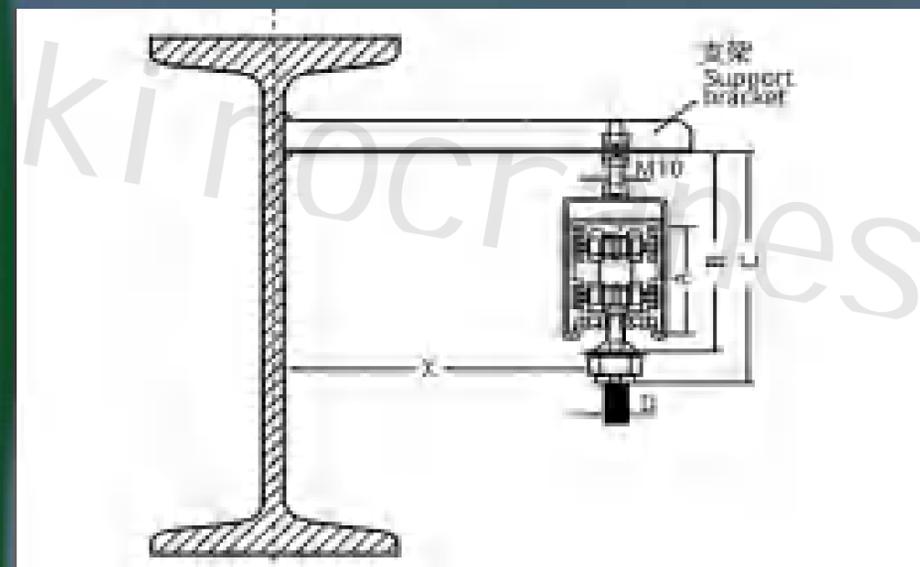
Installation Method View

C-Track bracket



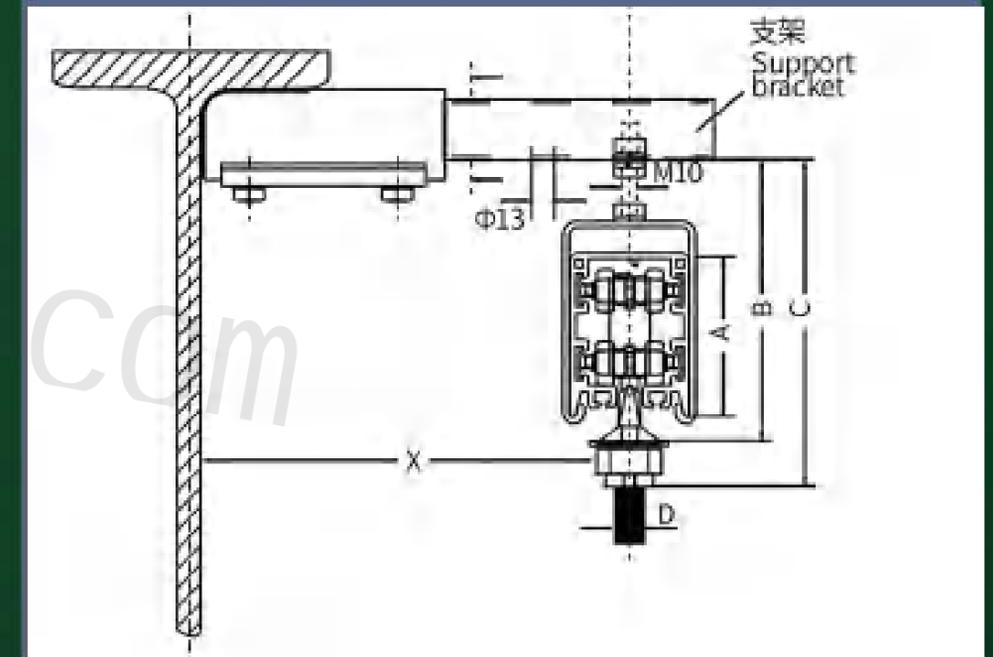
Ready installed on C-Track bracket (for split)

Angle steel bracket



Ready installed on Angle steel bracket (for welding)

C-Track bracket



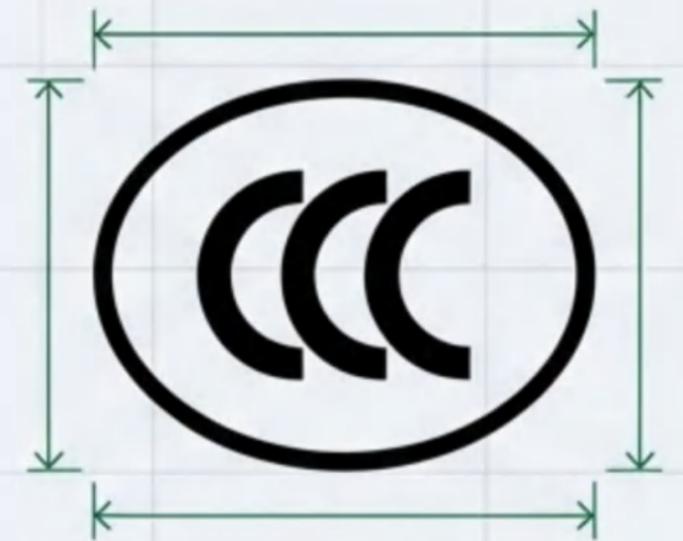
Ready installed on C-Track bracket (for welding)

Certified Reliability



Lead Quality.
Power Your Progress.

Engineered to rigorous safety standards for global compliance and durability.



The logo for Kinocranes, featuring the word "KNCRANES" in a bold, red, sans-serif font. The letters "K" and "C" have a yellow-to-orange gradient fill.

Partner with Kinocranes

Contact our engineering team for custom specifications and quotes.

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- Phone: +86-19037303916
- Website: www.kinocranes.com