

POWERTRACK B/R

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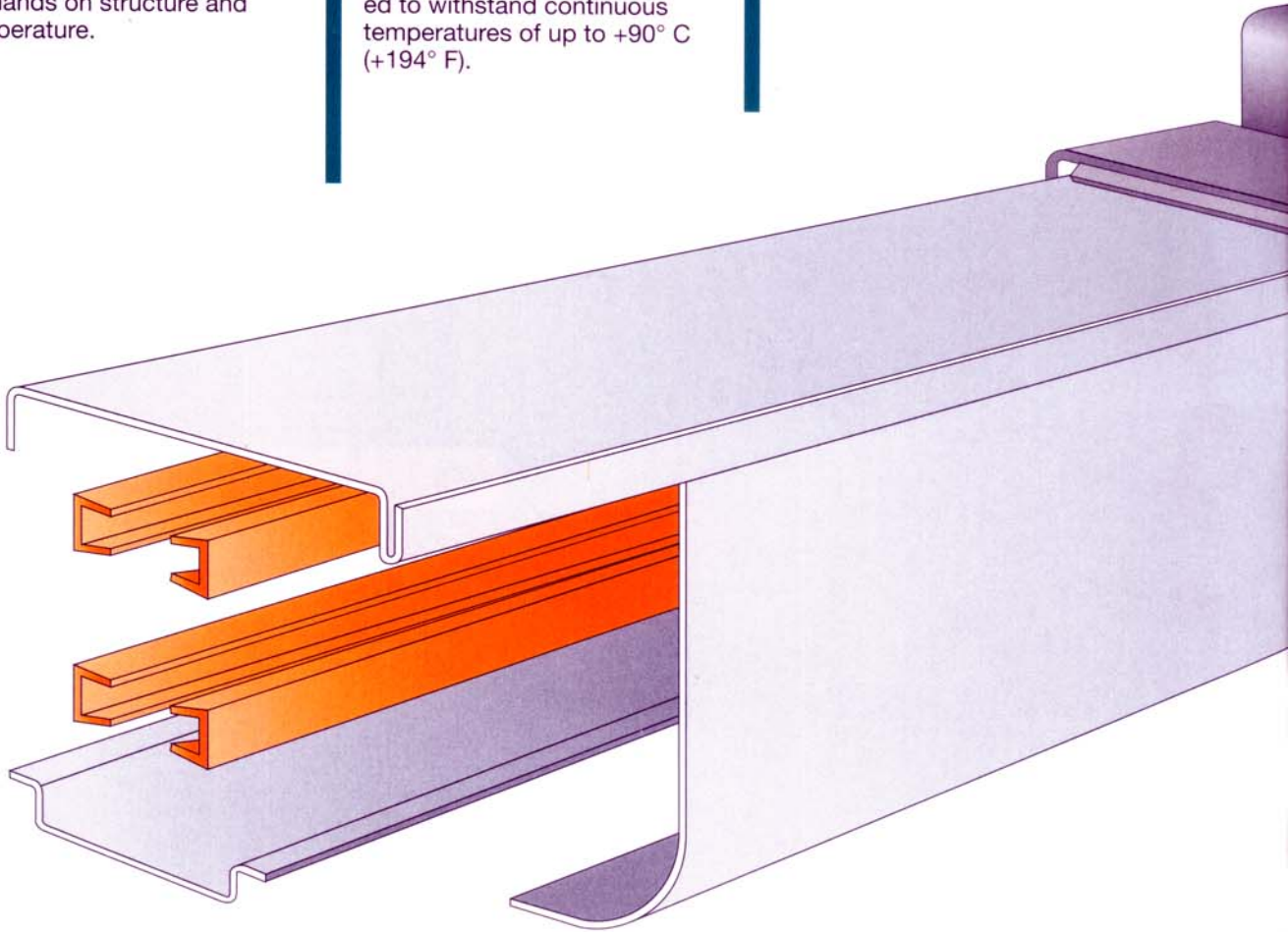
THE POWERTRACK FOR HEAVIEST DEMANDS

THE RAILS

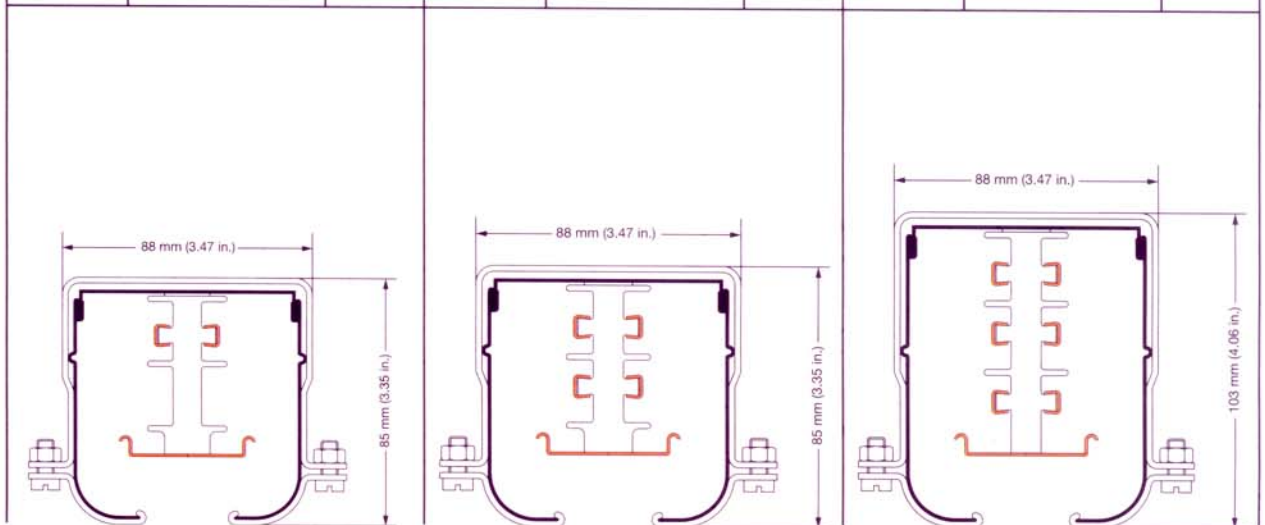
Powertrack Type B is the workhorse of sliding power conductors. Its mechanical construction provides the ideal features necessary for applications with high demands on structure and temperature.

- The steel casing remains highly stable at all temperatures.
- Suspension hangers are spaced at 2–3 meter intervals. This simplifies mounting and removal.
- Internal insulators are designed to withstand continuous temperatures of up to +90° C (+194° F).

- Copper conductors float freely between the insulators. This results in efficient heat removal during full load operation.



	Model	I _n max		Model	I _n max		Model	I _n max
1+N+PE	BAN3-50	50 A	3+N+PE	BAN5-50	50 A	5+N+PE	BAN7-50	50 A
	BAN3-100	100 A		BAN5-100	100 A		BAN7-100	100 A





THE POWERTRACK TROLLEY

powertrack trolley runs on maintenance free synthetic rollers. Optional ball bearing rollers are also available. Power is transmitted through bronze-sintered slides with double contact points. Each contact point is individually spring-loaded. This ensures a constant signal, even when passing over a rail junction. It also reduces the danger of spark erosion and increases service life.

THE POWER SUPPLY

BZEV 110 End feeder for wire size up to 6 mm² (AWG 14)

BAA 5-50 In-line feeder for wire size up to 16 mm² (AWG 10)

BAA 5-100 In-line feeder for wire size up to 25 mm² (AWG 8)

CURVES

The standard powertrack trolley can accommodate curves up to a radius of 600 mm (23.65 in.). For radiuses between 600 mm and 1200 mm (47.28 in.) a special car is available.

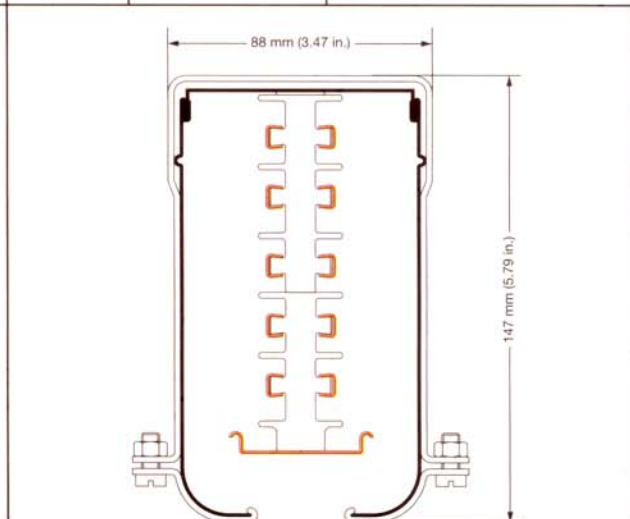
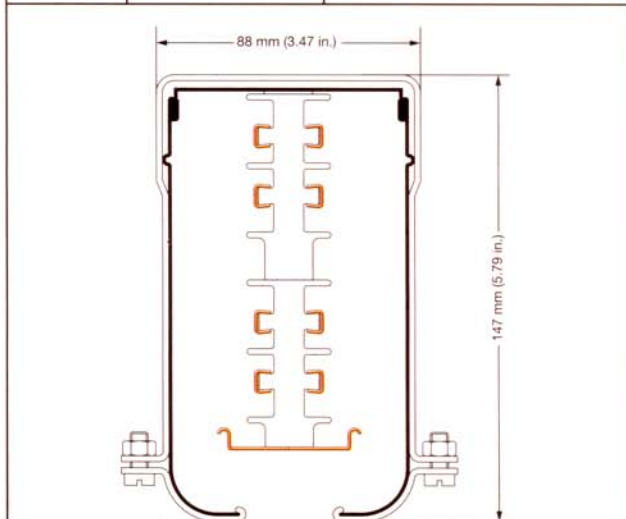
INSERTION POINTS

On long track lines, or where multiple cars are emplaced, it is advisable to plan insertion points at fixed intervals along the length. This allows the insertion or removal of cars from within the line rather than sliding them in or out from the extreme ends.

INSERTION RAILS

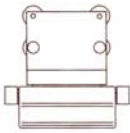
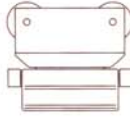

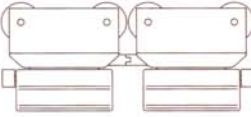
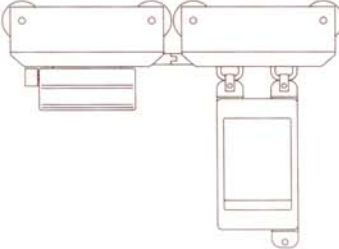
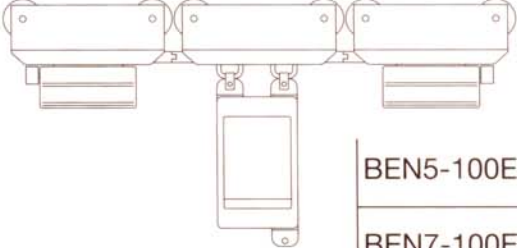
Cars are inserted or removed at either end of the track through a special insertion rail. The first 250 mm (9.85 in.) of each insertion rail is without power, shielding against accidental contact.

	Model	I _n max		Model	I _n max
7+N+PE	BAN9-50	50 A	9+N+PE	BAN11-50	50 A
	BAN9-100	100 A		BAN11-100	100 A

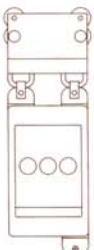


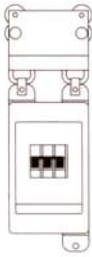
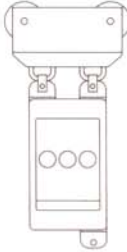
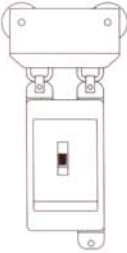
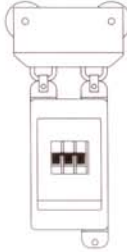
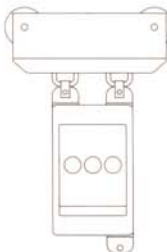
POWERTRACK TROLLEY TYPE B

Powertrack Trolley Type B – 3/5/7 contacts without fuse protection

	Model	No. of contacts	Nominal current	Fuse protection	Ball bearings
 <p>(For curves with radius of 600-1200 mm) (23.65-47.28 in.)</p>	BEK3-20E	1+N+PE	20 A	-	-
	BEK5-20E	3+N+PE			
	BEK7-20E	5+N+PE			
	BEN3-20E	1+N+PE	20 A	-	-
	BEN3-20EL				x
	BEN5-20E	3+N+PE			-
	BEN5-20EL				x
	BEN7-20EL				x
	BEN3-40E	1+N+PE	40 A	-	-
	BEN3-40EL				x
	BEN5-40E	3+N+PE			-
	BEN5-40EL				x
	BEN7-40EL				x
 <p>(For curves with radius of > 1200 mm) (> 47.28 in.)</p>	BEN5-40DL	3+N+PE	40 A	-	x
	BEN7-40DL	5+N+PE			x
	BEN5-60ELWS	3+N+PE	60 A	-	x
	BEN5-80ELWS		80 A		x
	BEN7-60ELWS	5+N+PE	60 A		x
	BEN7-80ELWS		80 A		x
	BEN5-100ELWS	3+N+PE	100 A	-	x
	BEN7-100ELWS	5+N+PE			x

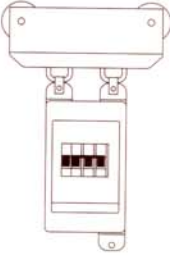
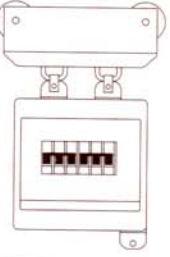
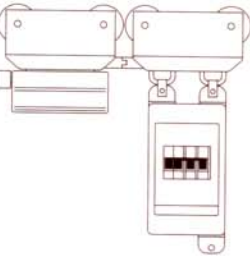
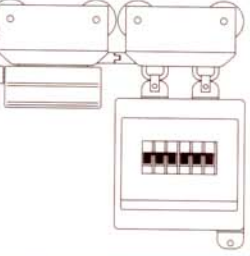
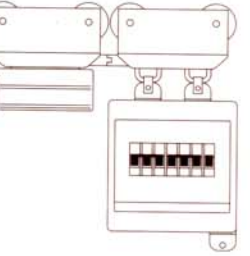
Powertrack Trolley Type B – 3/5 contacts with fuse protection

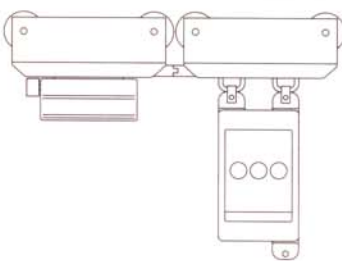
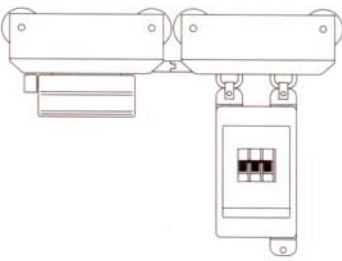
	Model	No. of contacts	Nominal current	Fuse protection	Ball bearings
 <p>(For curves with radius of 600-1200 mm) (23.65-47.28 in.)</p>	BEK3-16PWS	1+N+PE	16 A	1x NEOZED E14	
	BEN5-16PWS	3+N+PE		3x NEOZED E14	

Model	No. of contacts	Nominal current	Fuse protection	Ball bearings	
BEK3-16AWS	1+N+PE	16 A	Single breaker switch 16 A (B)	-	 <p>(For curves with radius of 600-1200 mm) (23.65-47.28 in.)</p>
BEK5-16AWS	3+N+PE		Triple breaker switch 16 A (C)		
BES3-16PLWS	1+N+PE	16 A	1x NEOZED E14	x	
BES5-16PLWS	3+N+PE		3x NEOZED E14		
BES3-16ALWS1	1+N+PE	16 A	Single breaker switch 16 A (B)	x	
BES5-16ALWS1	3+N+PE				
BES5-16ALWS	3+N+PE	16 A	Triple breaker switch 16 A (C)	x	
BES5-35PLWS	3+N+PE	35 A	3x NEOZED E18	x	
BES5-32ALWS	3+N+PE	32 A	Triple breaker switch 32 A (C)	x	

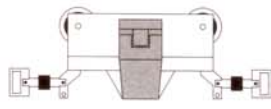
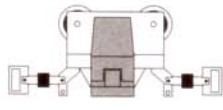
POWERTRACK TROLLEY TYPE

POWERTRACK TROLLEY TYPE B

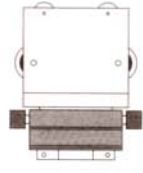
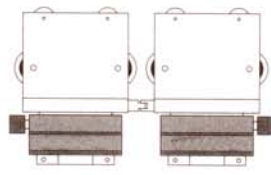
	Model	No. of contacts	Nominal current	Fuse protection	Ball bearings
	BES5-32ALWS4	3+N+PE	32 A	Single breaker switch 16 A (B) Triple breaker switch 16 A (C)	X
	BES5-32ALWS6	3+N+PE	32 A	2x Triple breaker switch 16 A (C)	X
	BES5-48ALWS4	3+N+PE	48 A	Triple breaker switch 32 A (C) Single breaker switch 16 A (B)	X
	BES5-48ALWS6	3+N+PE	48 A	Triple breaker switch 32 A (C) Triple breaker switch 16 A (C)	X
	BES5-64ALWS6	3+N+PE	64 A	2x Triple breaker switch 32 A (C)	X
	BES5-48ALWS7	3+N+PE	48 A	2x Triple breaker switch 32 A (C) Single breaker switch 16 A (B)	X
	BES5-64ALWS7		64 A	Triple breaker switch 32 A (C) Triple breaker switch 16 A (C) Single breaker switch 16 A (B)	X
	BES5-80WS7		80 A	2x Triple breaker switch 32 A (C) Single breaker switch 16 A (B)	X

Model	No. of contacts	Nominal current	Fuse protection	Ball bearings	
BES5-63PLWS	3+N+PE	63 A	3x NEOZED E18	x	
BES5-63ALWS	3+N+PE	63 A	Triple breaker switch 63 A (C)	x	

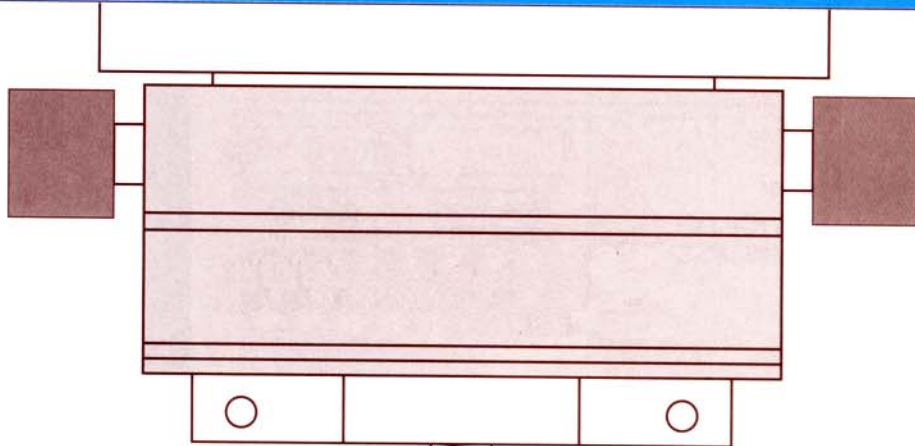
Special Trolley Type B

Model	Nom. current	AC outlet	Ball bearings	
BE1330	16 A	CEE 16 A	x	
BE1331	32 A	CEE 32 A	x	
BE1332	16 A	CEE 16 A	x	

Powertrack Trolley Type R

Model	Nom. current	Fuse protection	Ball bearings	
REN9-20E	20 A	-	x	
REN11-20E	20 A	-	x	
REN9-40D	40 A	-	x	
REN11-40D	40 A	-	x	

POWER ALONG THE ENTIRE LINE



* Coated with RAL-colors upon request



Technical Data	BAN5..	RAN9..	RAN11..		
Protection Class	IP 23				
Nominal voltage	500 V				
No. of contacts	1+N+PE	3+N+PE	5+N+PE	7+N+PE	9+N+PE
Car nominal current	16 A to 100 A				
Standard lengths	4 m, 1 m				
Special lengths	Made to order				
Mounting intervals	2-3 m				
Housing section	Galvanized steel*				
Operable temperature range	-30° C (-22° F) to +90° C (+194° F)				
Radius of curves	min. 600 mm (23.64 in.)				
Standard	DIN VDE 0100				
Model	Maximum nominal current				
BAN3-50/BAN5-50/BAN7-50	50 A				
BAN3-100/BAN5-100/BAN7-100	100 A				
RAN9-50	50 A				
RAN9-100	100 A				
RAN11-50	50 A				
RAN11-100	100 A				

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