

Strawinskylaan 1105

CE

DS-TR60-PM-EN / 07.04.2022

datasheet

Energy transmission system fitted with 4 or 5 conductors with joints. Operating current: 40 or 60 A, depending on the busbar. Marking: CE, EAC.

1077 XX Amsterdam, The Netherlands

TR60 PRE-MOUNTED

BUSBAR SYSTEM WITH 4 OR 5 PRE-MOUNTED CONDUCTORS (SIZES: 40 A, 60 A)

	TR604CW 4 conductors 40 / 60 A busbar		
	TR605CW 5 conductors 40 / 60 A busbar		
	TR6001W Joint unit		
	TR6002W Plastic hanger clamp		TR8557 Towing arm with chain
Å	TR6020 Metallic hanger clamp	U	TR6007 Towing arm bracket
	TR6006W End cap		TR8510 Towing arm
	TR6003A4W - TR6003A5W 4 or 5 conductors head feed		TR6013 Double trolley support
	TR6008A4W - TR6008A5W 4 or 5 conductors in-line feed		TR6014W Fixed point
	TR6034A4W - TR6034A5W 4 or 5 conductors left end transfer guide		TR6012 Gasket
	TR6035A4W - TR6035A5W 4 or 5 conductors right end transfer guide		
	TR6004 - TR6005 4 or 5 conductors trolley current collector		Accessories
• 1			7.0003001103

TR8538

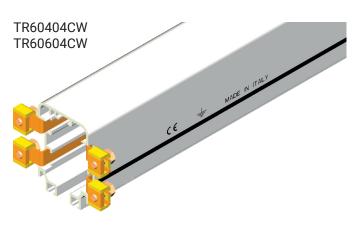
Spring loaded towing arm

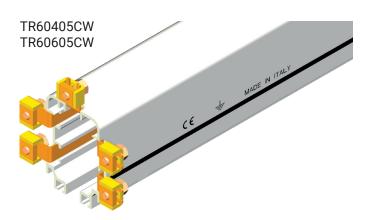


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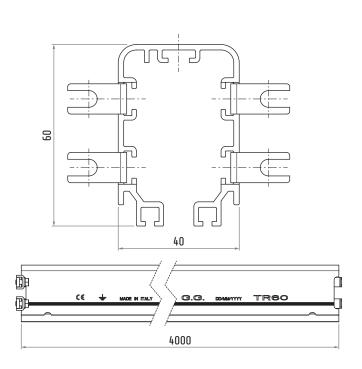
TR60...4CW TR60...5CW

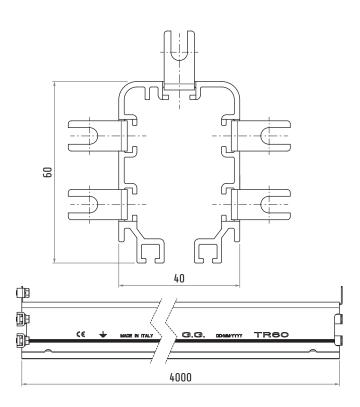
BUSBAR





Custom curved bars available on request (with 4 conductors only and with a minimum radius of 1000 mm).





Conductors	4	TR60404CW	TR60604CW
	5	TR60405CW	TR60605CW
Conductors material		ETP copper	ETP copper
Rated current	23°C	40 A	60 A
Rated operating voltage	Ue	600 V AC	600 V AC
Frequency		50 Hz	50 Hz
Short circuit current		10 kA	10 kA
Class gG fuse rating		40 A	60 A
Resistance		17·10 ⁻⁴ Ω/m	11.33·10 ⁻ 4 Ω/m
Impendance		17.09·10⁻⁴ Ω/m	11.38·10 ⁻ 4 Ω/m
Conductors section		10 mm²	15 mm²
		10 × 1 mm	10 × 1.5 mm
Weight of busbar complete	4	1.05 kg/m	1.22 kg/m
of conductors	5	1.13 kg/m	1.25 kg/m

Possible configurations



Busbar

Material			rigid PVC
Self-extinguish	UL94		V0
	DIN 4102		B2
	D.M. 6/7/83		CI
Ultimate tensile strenght	ISO R527	@ 23°C	430 kg/cm³
Yield point	ISO R527	@ 23°C	460 kg/cm³
Modulus of elasticity	ISO R178	@ 23°C	30000 kg/cm ³
Impact resistance	DIN 53453		unbroken
Dielectric strenght	ASTM 149		25 kV/mm
Softening temperature - Vicat	ISO R306 49N		82°C
Protection class	CEI EN 60529		IP13
			IP44 with gasket
Flammability resistance	UL94		V0
	CEI EN 60695-2	-1	960°C
Ambient temperature	operating	·	-30 +55°C
	storage		-30 +70°C
Admissible trolley speed	max		200 m/min

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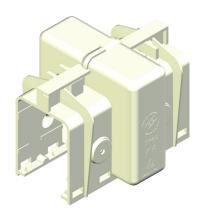
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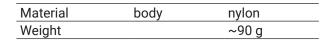
EN datasheet

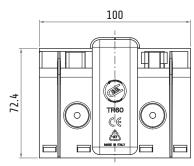
79.5

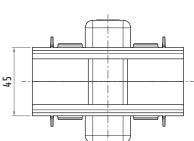
TR6001W

JOINT UNIT









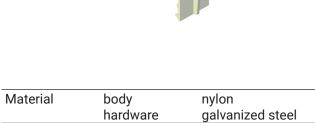


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TR6002W

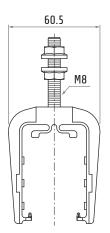
PLASTIC HANGER CLAMP

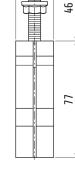


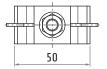


Weight

~70 g









CE

datasheet

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TR6020

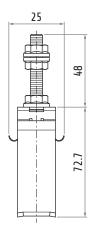
METALLIC HANGER CLAMP



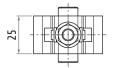


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Material	body hardware	galvanized steel galvanized steel
Weight		~100 g

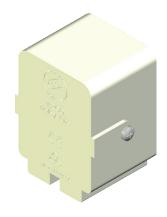




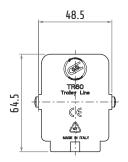
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TR6006W

END CAP



Material	body	nylon	
Weight		~35 a	





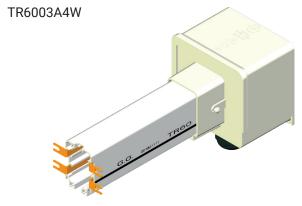


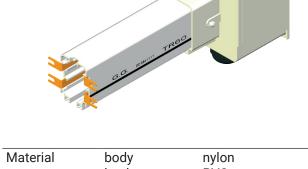
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EN datasheet

TR6003A4W **TR6003A5W**

HEAD FEED

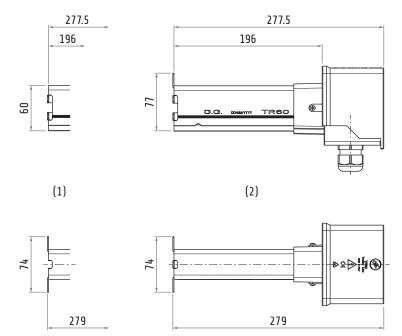


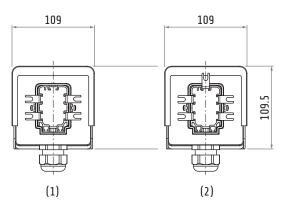


TR6003A5W	
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Material	body busbar	nylon PVC
	conductors	copper
Weight		~470 g
Conductors		4
Conductors	<u> </u>	15 mm²
section		10 × 1.5 mm

Material	body	nylon
	busbar	PVC
	conductors	copper
Weight		~505 g
Conductors		5
Conductors		15 mm²
section		10 × 1.5 mm





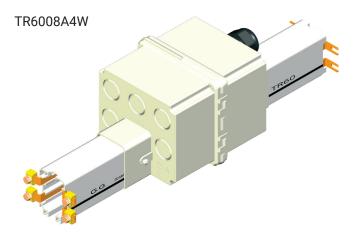
(1)	4 conductors	
(2)	5 conductors	



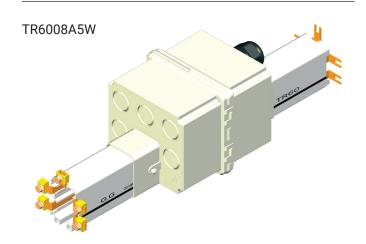
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TR6008A4W TR6008A5W

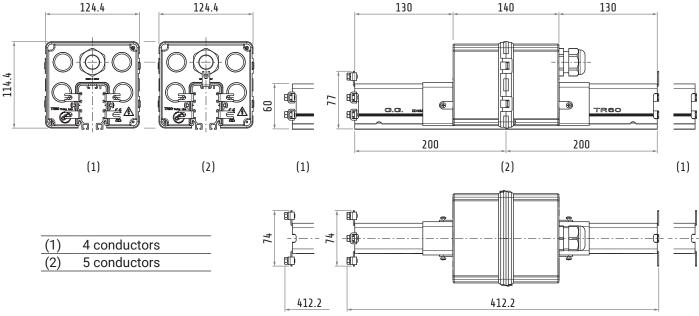
IN-LINE FEED



Material	body busbar	nylon PVC
	conductors	copper
Weight		~805 g
Conductors		4
Conductors		15 mm²
section		10 × 1.5 mm



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Material	body	nylon
	busbar	PVC
	conductors	copper
Weight		~875 g
Conductors		5
Conductors	·	15 mm²
section		10 × 1.5 mm

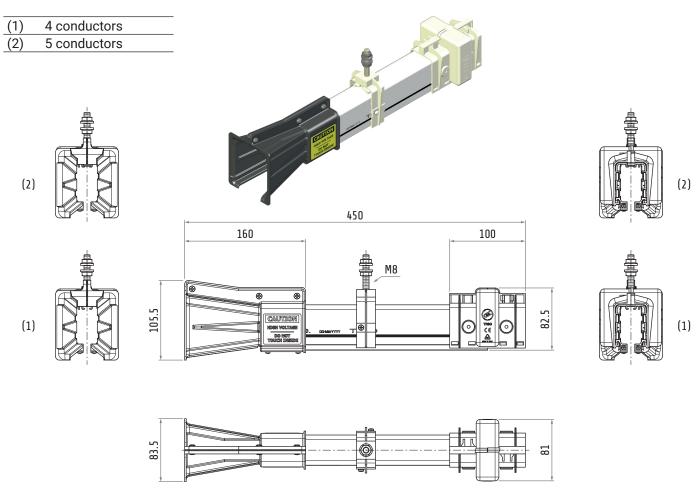


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TR6034A4W TR6034A5W

LEFT END TRANSFER GUIDE

		TR6034A4W	TR6034A5W
Material	hanger, joint	nylon	nylon
	busbar	PVC	PVC
	guide	ABS	ABS
	conductors	copper	copper
	hardware	galvanized steel	galvanized steel
Weight		~ 630 g	~677 g
Conductors		4	5
Conductors section		15 mm²	15 mm²
		10 × 1.5 mm	10 × 1.5 mm

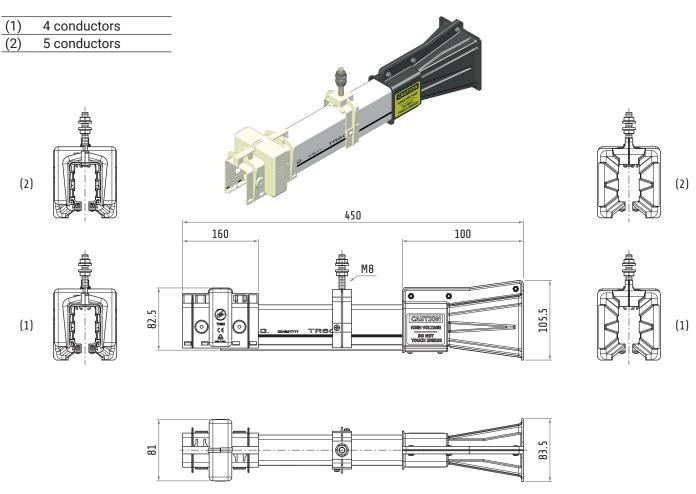


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TR6035A4W TR6035A5W

RIGHT END TRANSFER GUIDE

		TR6035A4W	TR6035A5W
Material	hanger, joint	nylon	nylon
	busbar	PVC	PVC
	guide	ABS	ABS
	conductors	copper	copper
	hardware	galvanized steel	galvanized steel
Weight		~ 630 g	~677 g
Conductors		4	5
Conductors section		15 mm²	15 mm²
		10 × 1.5 mm	10 × 1.5 mm



Strawinskylaan 1105

1077 XX Amsterdam, The Netherlands

CE

EN datasheet

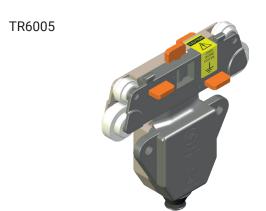
TR6004 TR6005

TROLLEY CURRENT COLLECTOR

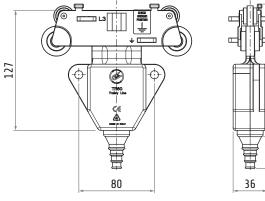


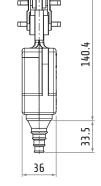


Material	body	nylon
	conductors	metal carbon
Weight		~255 g
Amperage		25 A
Conductors		4

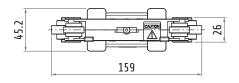


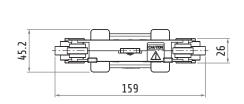
Material	body conductors	nylon metal carbon
Weight		~270 g
Amperage		25 A
Conductors		5





127





80

Dimensions in mm / illustrations NOT in scale

36



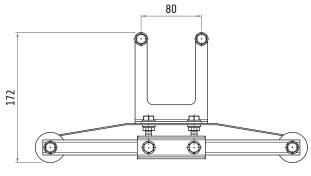
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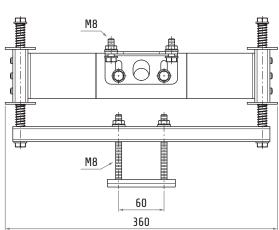
TR8538

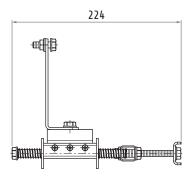
SPRING LOADED TOWING ARM



Material	body hardware	galvanized steel galvanized steel
Weight		~1.27 kg





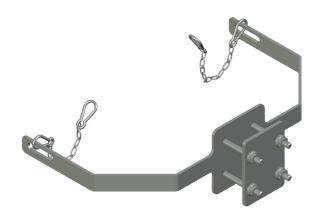




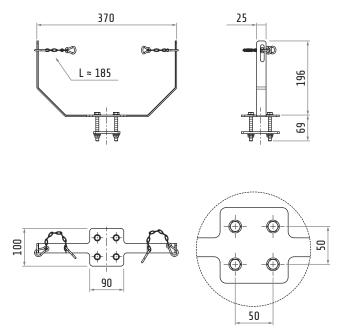
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TR8557

TOWING ARM WITH CHAIN



Material	body hardware	galvanized steel galvanized steel
Weight		~1.4 kg





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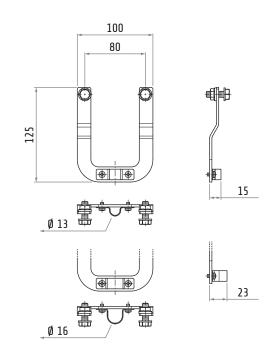
EN datasheet

TR6007

TOWING ARM BRACKET



Material	body hardware	galvanized steel galvanized steel
Weight		~185 g



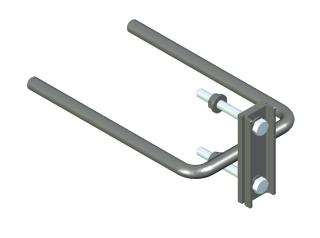


EN datasheet

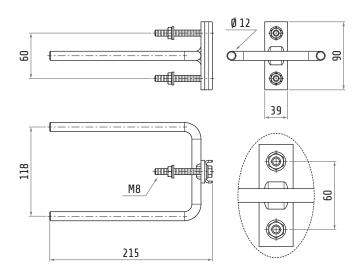
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TR8510

TOWING ARM



Material	body hardware	galvanized steel galvanized steel
Weight		~725 g





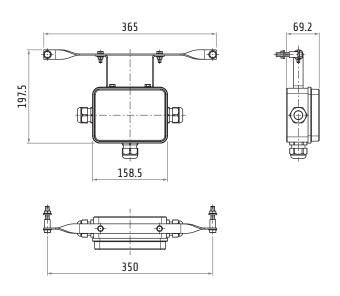
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TR6013

DOUBLE TROLLEY SUPPORT



Material	box body	plastic galvanized steel
	hardware	galvanized steel
Weight		~690 g





CE

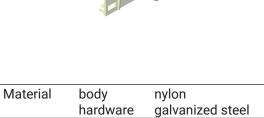
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TR6014W

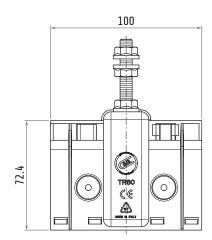
FIXED POINT

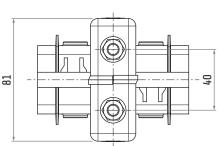




~160 g

Weight





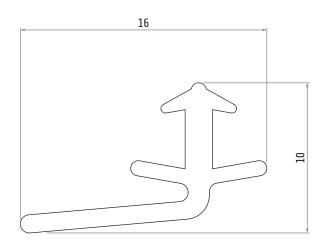


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TR6012

GASKET





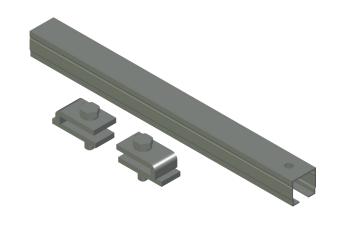
Material	PVC
Weight	~40 g/m



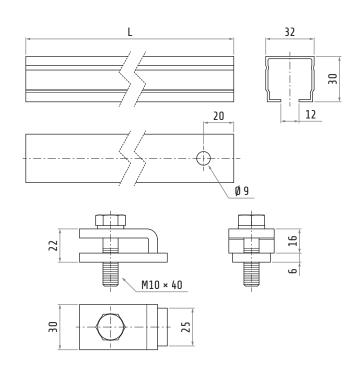
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TR8550 TR8551 TR8552

SUPPORT BRACKET



Material		galvanized steel
	L	Weight
TR8550	350 mm	~780 g
TR8551	500 mm	~960 g
TR8552	700 mm	~1200 g



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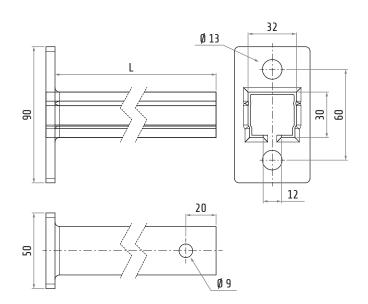
EN datasheet

TR8555 TR8556

WALL FIXING SUPPORT BRACKET



Material	galvanized steel	
	L	Weight
TR8555	350 mm	~640 g
TR8556	500 mm	~820 g





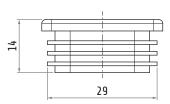
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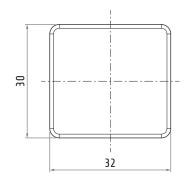
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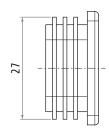
END CAP













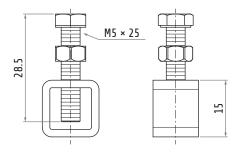
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TR6018

CONDUCTORS CONNECTION CLAMP









Material	galvanized steel
Weight	~15 g

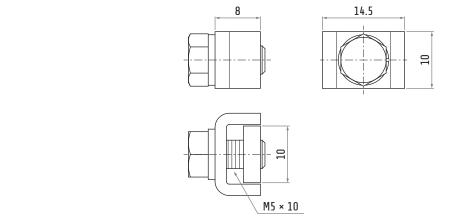


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TR6015

CONDUCTORS CONNECTION CLAMP





Material	brass
Weight	~10 g