



The product is installed in these energy transmission lines:

TR85H7P pre-mounted

Please find the relevant reference guides on our instruction manuals page:

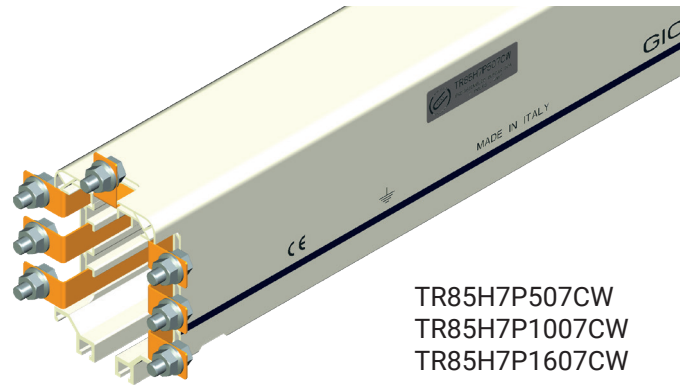
<https://www.giovenzana.com/leaflets/>

INSTRUCTION
MANUALS



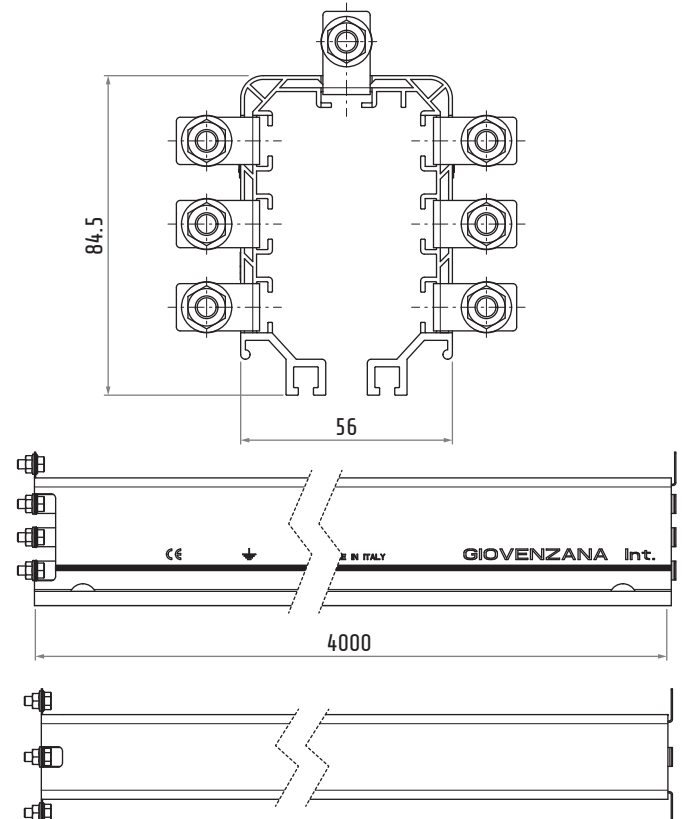
TR85H7P..7CW

BUSBAR



TR85H7P507CW
TR85H7P1007CW
TR85H7P1607CW

Custom curved bars available on request (with 6 conductors only and with a minimum radius of 1000 mm).

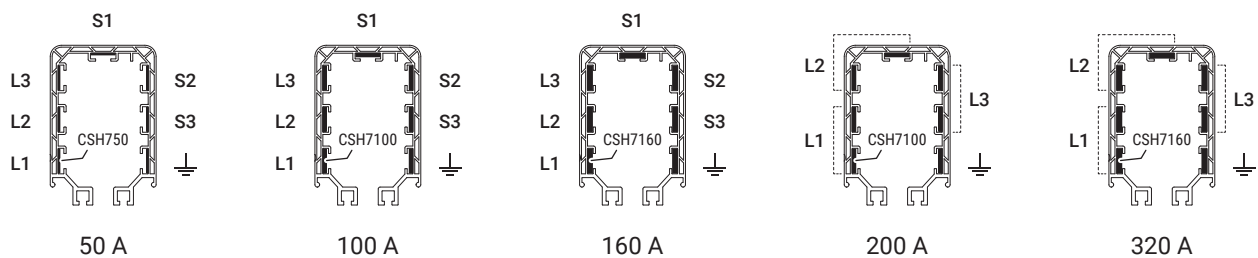


Dimensions in mm / illustrations NOT in scale

Conductors	7	TR85H7P507CW	TR85H7P1007CW	TR85H7P1607CW
Conductors material		ETP copper	ETP copper	ETP copper
Rated current	23°C	50 A	100 A	160 A
Rated operating voltage	Ue	600 V AC	600 V AC	600 V AC
Frequency		50 Hz	50 Hz	50 Hz
Short circuit current		10 kA	10 kA	10 kA
Class gG fuse rating		50 A	100 A	160 A
Resistance		$11.33 \cdot 10^{-4} \Omega/m$	$7.83 \cdot 10^{-4} \Omega/m$	$5.48 \cdot 10^{-4} \Omega/m$
Impedance		$11.38 \cdot 10^{-4} \Omega/m$	$7.87 \cdot 10^{-4} \Omega/m$	$5.55 \cdot 10^{-4} \Omega/m$
Conductors section		10 mm ² 12.5 × 0.8 mm	22.5 mm ² 12.5 × 1.8 mm	31.25 mm ² 12.5 × 2.5 mm
Weight of busbar complete of conductors	7	1.70 kg/m	2.75 kg/m	3.125 kg/m

200 A and 320 A are also available as parallel configuration of 100 A and 160 A.

Possible configurations



Busbar

Material			rigid PVC
Self-extinguish	UL94 DIN 4102 D.M. 6/7/83		V0 B2 CI
Ultimate tensile strength	ISO R527	@ 23°C	430 kg/cm ³
Yield point	ISO R527	@ 23°C	460 kg/cm ³
Modulus of elasticity	ISO R178	@ 23°C	30000 kg/cm ³
Impact resistance	DIN 53453		unbroken
Dielectric strength	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 CEI EN 60695-2-1		V0 960°C
Ambient temperature	operating storage		-30 ... +55°C -30 ... +70°C
Admissible trolley speed	max		200 m/min