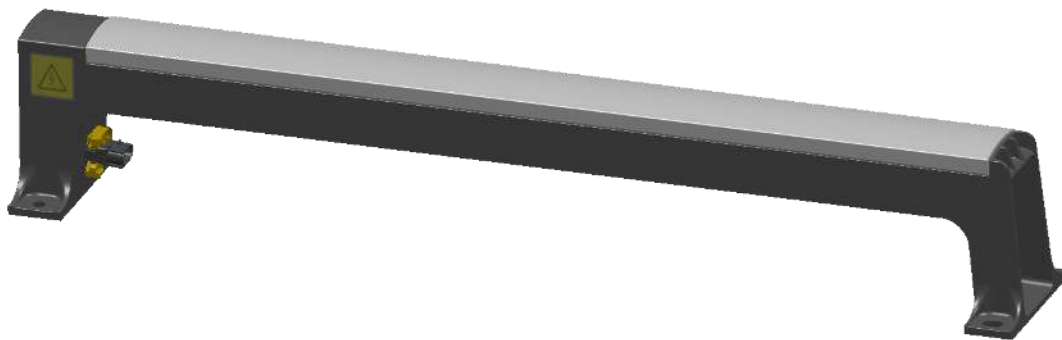


# DC Charging rail

## THE PRODUCT

The DC Charging was introduced in 2015 and is today adopted by leading actors in the heavy-duty electrified transportation industry. The product is developed for the pantograph fast charging initiative OppCharge and is optimized to face future and higher fast charging demands.



- The go to Charging rail reference for established
- Successfully used since 2015
- Input DC Amperage  $\leq 2000$  A
- Defrost heating Rail 5°C in -40°C

## ABOUT AQ ENGINEERING

AQ develops and delivers components for some of the most demanding applications, such as high-speed trains, relay protection systems, military equipment, airplanes, process automation and automotive. Most of our products have been developed in close collaboration with our customers.

## Charging rail

Input voltage DC	450 – 1000 VDC
Ambient temperature	$-40^{\circ}\text{C} \leq T_{\text{ambient}} \leq 85^{\circ}\text{C}$
Input DC Amperage <sup>1</sup>	$\leq 2000 \text{ A}$
Product temperature after 1000A, 1h	90°C
Max continues product working temp	180°C
Weight	3,8 kg

Note<sup>1</sup> 1000A during 1 h well with in product working temperature.  
Room for higher currents

## Materials

Copper, Electro plated nickel  
Vinyl ester with 28% glasfiber

## Dimensions <sup>3</sup>

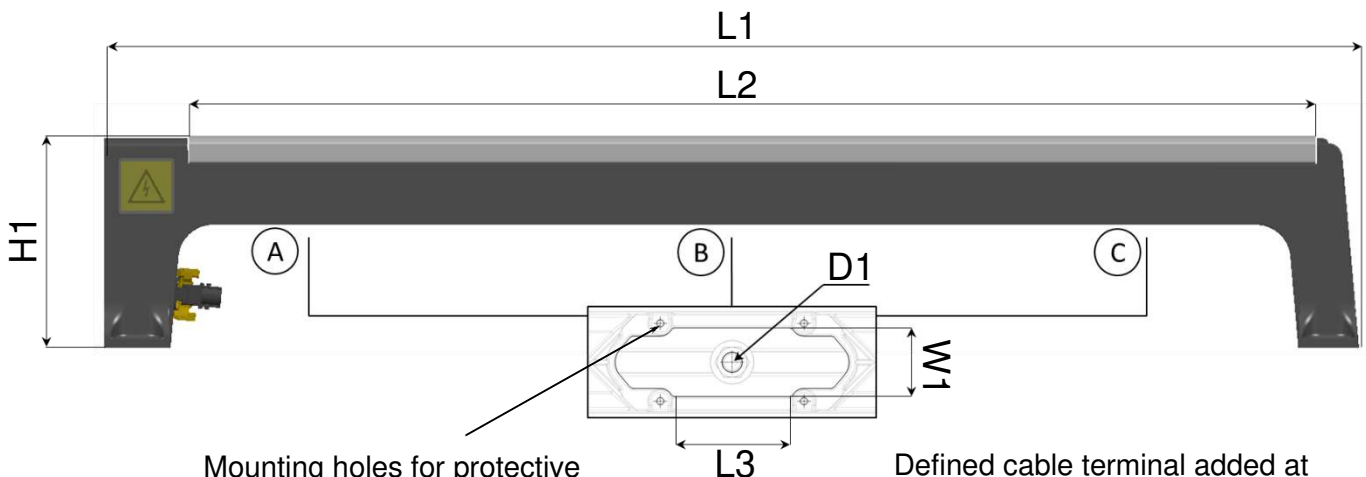
D1	M10 [mm]
D2	ø9
H1	122
L1	724
L2	650
L3	56
L4	687
L5	5
W1	34
W2	110
W3	90

Note<sup>3</sup> For reference only.

## Rail deiceing heating

Recommended power output	78W @ 24V
Recommended fuse per set (four rails)	One 15A
Heating cable interface <sup>2</sup>	Te connectivity: 1-1703841-1

Note<sup>2</sup> Can be customized according to customer requirement



Mounting holes for protective cover. Cover available upon customer request.

Defined cable terminal added at position A, B and C according to customer requirements.

