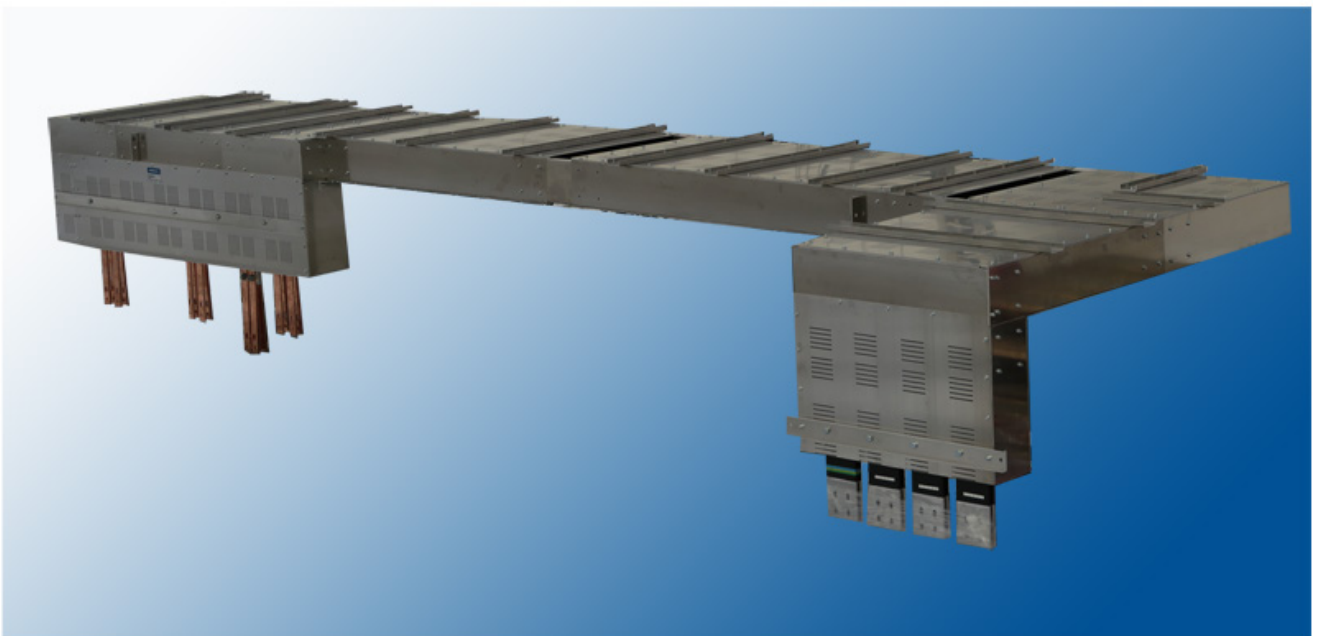


Busbar trunking system

NorBus® 5000



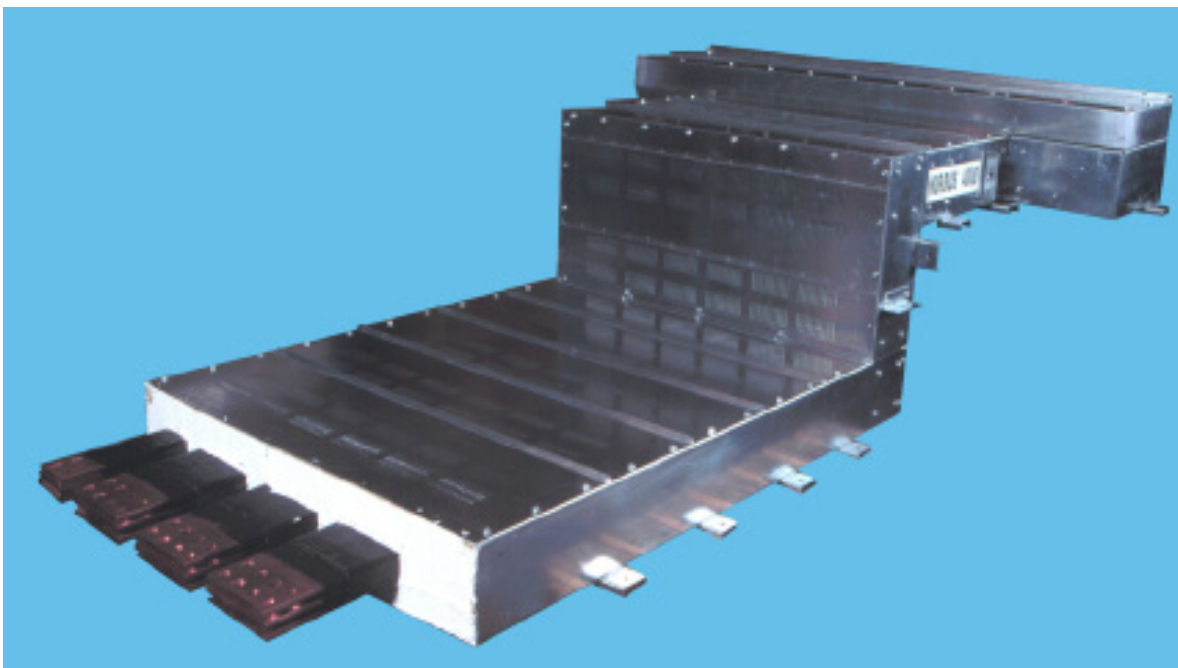
NORELCO

Nordic Electric Company

NorBus® 5000

Busbar trunking system

Factory manufactured NORBUS 5000 busbar trunking system is designed especially for the connection between power transformer and switchboard or between two switchboards with nominal currents up to 5000A and rated voltages up to 690VAC. The busbar trunking system is metal-enclosed and the material of the enclosure is hot dip zinccoated steel plate, which can also be painted (option). Material of the busbars is either aluminium or copper, painted.



Modular busbar trunking system consists of the following standardized units:

- straight trunking system, 1.5 m
- 90 angle, horizontal
- 90 angle, vertical
- fire-resistant lead-thru, either EI60 or EI120 (60 or 120 minutes of fire-resistance)
- flexible connection for the connection of the power transformer
- standardized connection to Norelco's NorPower 5000 multicubicle switchboard

The following options are available:

- current transformers
- flexible connection of the busbars (for busbars over 20 m long)
- painted enclosure

The busbar trunking system is designed, manufactured and tested at the factory and is delivered in suitable transport units, with max. length of appr. 3.5 m.

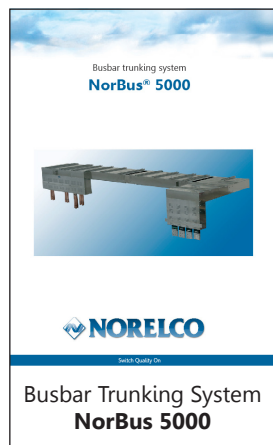
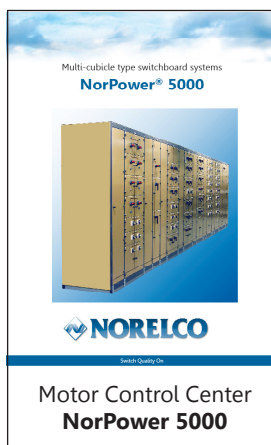
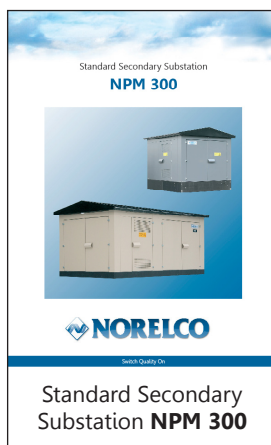
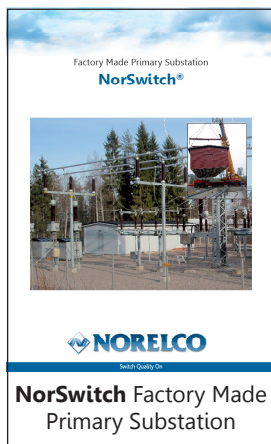
Busbar trunking system is installed from its support beams. The earthing of the busbar trunking system can be done at both ends of the trunking system. Detailed installation instructions can be found from NORBUS 5000 installation instructions.

Technical information:

ELECTRICAL VALUES		
Rated voltage	U_n	400 - 690 VAC
Rated current	I_n	1000-5000A
Rated short-time withstand current	$I_{cw}(1s)$	max. 100kA
Rated peak withstand current	I_{pk}	max. 220kA
MECHANICAL VALUES		
Degree of protection	IP 20	
Dimensions (height x width)	$I_n \leq 1600A$	175 x 500mm
	$I_n = 1600A-4000A$	175 x 750mm
	$I_n = 5000A$	225 x 1000mm
Busbar material	Al or Cu, painted	
Enclosure material	Hot dip zinc coated steel plate	
Environmental conditions	A or B	
Ambient temperature	24h average, max	+35 °C
	max, peak	+40 °C

Large selection of high quality LV and MV switchboards and substations

The main products of Norelco include:



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