

Cabinet free drive technology

Drive connection box IndraDrive Mi - KCU



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Drive connection box ■ IndraDrive Mi - KCU

Documentation
Operating Instructions



- Routing of the power supply from the DC bus of an IndraDrive converter or supply unit
- Supply of control voltage to the IndraDrive Mi
- Exchange of status and diagnostic messages between IndraDrive Mi and supply unit
- Protection of the DC bus connection with integrated fuses
- Up to 20 Mi drives on a single hybrid cable, with cable lengths up to 200 m
- Several parallel drive chains possible

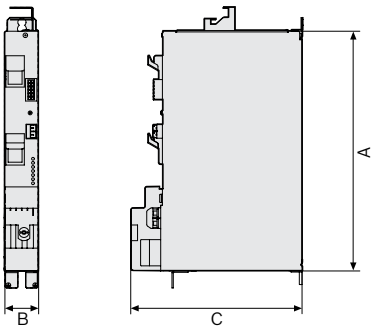
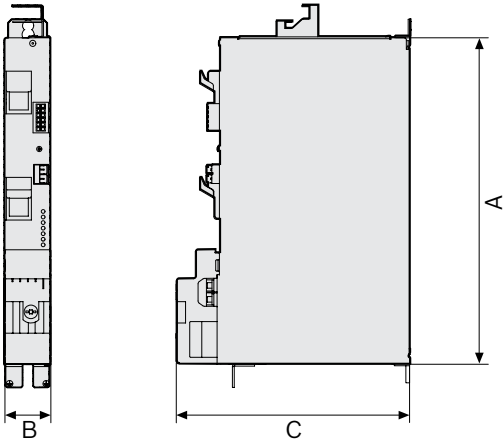
The compact drive connection box KCU allows all necessary connections to the IndraDrive Mi at a common coupling. Up to 20 IndraDrive Mi units can be flexibly connected in series in one drive chain, with a max. cable length of 200 m – without any modifications to the cabinet. If required, it is also possible to connect a number of KCU drive connection boxes to a single supply unit in order to operate several IndraDrive Mi drive chains in parallel.

Technical data

Performance data		
Input voltage	[V]	DC 540...750 V
DC bus		
Continuous output without choke	[kW]	18.8
Max. output without choke	[kW]	53.3
Output voltage	[V]	DC 540...750 V
DC bus capacity	[mF]	< 0,001
DC bus voltage	[V] DC	560...750 V
Control voltage		
Control voltage	External	24V ± 20%
	Internal	42 V + 10%
Power consumption without control unit and motor brake	[W]	675
Protection		
Overall protection category	IP20	
Cooling type	forced ventilated	

Dimensions

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Dimensions		
A	[mm]	352
B	[mm]	50
C	[mm]	252

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It must be remembered that our products are subject to a natural process of wear and aging.