KINETIX 5700 DC-BUS POWER SUPPLY

Product Data Sheet

2198-P141

DC-bus power supply

INPUT VOLTAGE	CONTINUOUS OUTPUT POWER	CONTINUOUS OUTPUT CURRENT	MODULE WIDTH
195...528 V AC rms, three-phase	**31 kW**	**46.9 A DC rms**	**85 mm**

Allen-Bradley 2198-P141 is an 85 mm Kinetix 5700 DC-bus power supply for 400 V-class three-phase input. It accepts 195...528 V AC rms and provides 31 kW of continuous output power with 46.9 A DC rms continuous output current for a shared Kinetix 5700 DC bus.

01 TECHNICAL DATA

Input voltage	195...528 V AC rms, three-phase
Continuous output power	31 kW
Continuous output current	46.9 A DC rms
Module width	85 mm
Overall height	433 mm
Overall depth	252 mm
IEC fuse maximum	75 A DIN gG
UL fuse	LPJ-70SP, 70 A
Molded-case circuit breaker	140G-G6C3-C90
Short-circuit rating with fuses	200,000 A rms symmetrical

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02 ADDITIONAL PRODUCT DATA

Operating temperature	0...50 degree C
Storage temperature	-40...+70 degree C
Mains conductor range	10...35 mm2 (8...2 AWG)
Control power input	24 V DC PELV/SELV
Ethernet ports	Two RJ45 ports

03 PRODUCT FUNCTION

The unit includes AC mains, DC-bus, 24 V control, shunt, digital-input and contactor-enable connections together with two EtherNet/IP ports. Its documented dimensions are 85 x 433 x 252 mm, approximate weight is 6.91 kg, and the installation requires coordinated branch-circuit protection and a bonded protective-earth connection.

04 SYSTEM COMPATIBILITY

Connect mains input, 24 V control power, DC-bus links, shunt wiring, digital inputs and contactor-enable wiring to their assigned connectors. The contactor-enable relay must be included in the control string so three-phase power is removed during fault conditions.

05 REFERENCE

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