SIGMA-5 SERVOPACK

Product Data Sheet

SGDV-5R4D11A020000

MECHATROLINK-II AC Servo Drive

MAIN-CIRCUIT VOLTAGE CLASS	APPLICABLE SERVOMOTOR CAPACITY	REQUIRED SUPPLY CAPACITY	MAIN-CIRCUIT CURRENT CAPACITY
Three-phase 400 V	**1.5 kW, SGDV-5R4D class**	**3.5 kVA per SERVOPACK**	**4.3 Arms**

Yaskawa SGDV-5R4D11A020000 is a Sigma-5 SERVOPACK with a MECHATROLINK-II command interface. Its SGDV-5R4D power stage belongs to the three-phase 400 V class and is listed for an applicable servomotor capacity of 1.5 kW. The manufacturer wiring table specifies a 3.5 kVA supply capacity per drive and a 4.3 Arms main-circuit current capacity.

01 TECHNICAL DATA

Main-circuit voltage class	Three-phase 400 V
Applicable servomotor capacity	1.5 kW, SGDV-5R4D class
Required supply capacity	3.5 kVA per SERVOPACK
Main-circuit current capacity	4.3 Arms
Control supply terminals	24 V and 0 V
Main input terminals	L1, L2, L3
Motor output terminals	U, V, W
Regenerative resistor terminals	B1 and B2
DC reactor terminals	1 and 2
Main terminal-block construction	Detachable, spring type

02 ADDITIONAL PRODUCT DATA

Command interface	MECHATROLINK-II
Main power conductor reference	HIV 1.25 square millimeter
Protective-earth conductor reference	HIV 2.0 square millimeter or larger
Recommended DC reactor	X5075
Recommended noise filter	FN258L-7/07, three-phase 480 V AC, 7 A

03 PRODUCT FUNCTION

The drive separates its L1, L2 and L3 main input from the 24 V control-power connection and U, V and W motor output. A detachable spring-type main terminal block supports the specified wiring arrangement, with separate terminals for regenerative resistance and a DC reactor. The complete 11A020000 suffix remains part of the supplied drive identity; no unsupported option meaning is inferred from that suffix.

04 SYSTEM COMPATIBILITY

Wire L1, L2 and L3 separately from the 24 V and 0 V control supply, and connect the motor to U, V and W under the Sigma-5 wiring instructions. The detachable spring terminal block must be removed before wiring where directed. Retain the protective-earth connection and use the documented conductor and terminal preparation requirements.

05 REFERENCE

YASKAWA Sigma-5 SERVOPACK manufacturer technical data

AMIKON PRODUCT SUPPORT

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