

YASKAWA

Technical Note

Sigma-7 400V Series

IP20 Protection



IP20 Protection

The minimum degree of protection for the full range of Sigma-7 400V Servopacks is IP10.

However, depending on the size of Sigma-7 Servopacks, IP20 is achieved.

Single Axis Servopacks

Single-axis amplifiers: Σ -7S

SGD7S - 1R9 D A0 B 000 F64

Sigma-7 Series 1st...3rd 4th 5th + 6th 7th 8th...10th 11th...13th digit
Sigma-7S Models

1st ... 3rd digit - Maximum Applicable Motor Capacity

Code Specification

Three-phase, 400 V

1R9	0.5 kW
3R5	1.0 kW
5R4	1.5 kW
6R4	2.0 kW
120	3.0 kW
170	5.0 kW
210	6.0 kW
260	7.5 kW
280	11.0 kW
370	15.0 kW

IP20 Protection

4th digit - Voltage

Code Specification

D 400 V AC

5th + 6th digit - Interface**

Code Specification

A0 EtherCAT communication reference
C0 PROFINET communication reference
30 MECHATROLINK-III, RJ45 communication reference
M0 Sigma-7Sic (with built-in single-axis control)

7th digit - Design Revision Order

B Standard Model

8th ... 10th digit - Hardware Options Specifications

Code Specification Applicable Models

None Without Options All models

000 Without Options only used in combination with FT/EX All models

026** With relay for holding brake All models

11th ... 13th digit - FT/EX Specification

Code Specification

None Without Options

F64** Zone table

F50 Application function for Sigma-7Sic

F91 For use with SGD7S-CSB0#A (including F64 function)

Dual Axis Servopacks

Dual-axis amplifiers: Σ -7W

SGD7W - 2R6 D A0 B 026

Sigma-7 Series 1st...3rd 4th 5th + 6th 7th 8th...10th digit
Sigma-7W Models

1st ... 3rd digit - Maximum Applicable Motor Capacity

Code Specification

Three-phase, 400 V

2R6	2 x 0.75 kW
5R4	2 x 1.5 kW

4th digit - Voltage

Code Specification

D 400 V AC

IP20 Protection

5th + 6th digit - Interface

Code Specification

A0 EtherCAT communication reference
30 MECHATROLINK-III, RJ45 communication reference

7th digit - Design Revision Order

B Standard Model

8th ... 10th digit - Hardware Options Specifications

Code Specification Applicable Models

None Without Options All models

026** With relay for holding brake All models

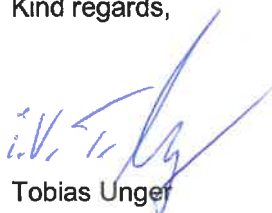
For more information or support please contact your Yaskawa representative as follows:

- Contact Centre support@yaskawa.eu
- Yaskawa DMC Homepage [Yaskawa Europe - Your First Choice for Automation](#)

Revision History

Revision No.	DocNr / Page(s)	Prepared by	Checked by	Approved by	Date
<1>	ETCS2524D7PN-01 / 4	M. Messner	JörgK.Schmidt	T. Unger	25.04.2024

Kind regards,



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