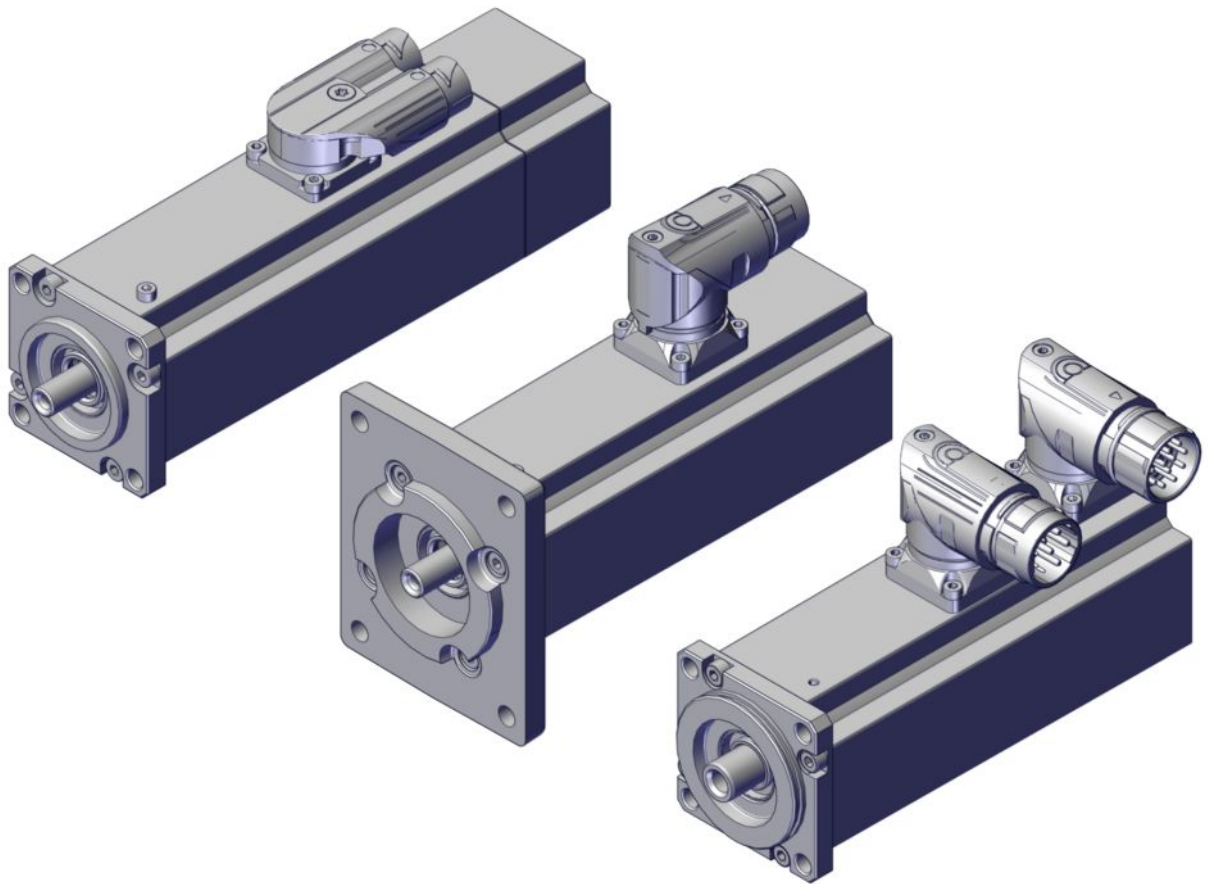


Replacement part list

EZ2 synchronous servo motors



[stober.com](https://www.stober.com)

en-US

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1 User information

This replacement parts list is intended to make ordering replacement parts easier; however, it cannot replace repair instructions.

All standard versions of the motor are presented in this document. Using the nameplate, the type designation and your order documents, you can find the chapters that correspond to your product. Specify the type designation and serial number of the motor as well as the corresponding item number from this replacement parts list when requesting replacement parts.

Have the motor repaired only by STOBER service or STOBER service partners. Only use replacement parts delivered by STOBER. Be aware that improper repair work may cause material damage and may void the manufacturer's warranty.

Since extensive technical equipment and expertise is required for replacing encoders, encoders can be replaced only by STOBER service. Also note that not all modules shown can be ordered individually.

1.1 Type designation of EZ motors

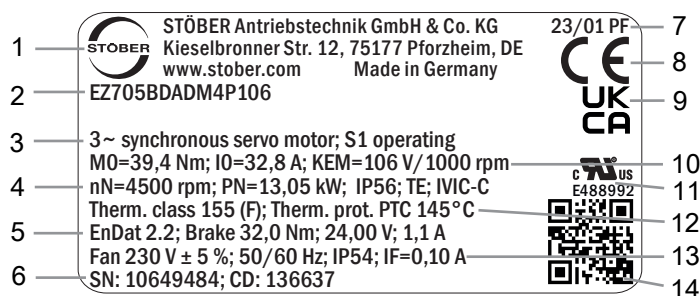
EZ	4	0	1	U	D	AD	M4	O	096
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Explanation

Code	Designation	Design
EZ	Type	Synchronous servo motor
4	Size	4 (example)
0	Generation	0
1	Length	1 (example)
U B	Cooling ¹	Convection cooling Forced ventilation
D	Design	Dynamic
AD	Drive controller	SD6 (example)
M4	Encoder	EnDat 2.2 EQI 1131 FMA EnDat 2.2 (example)
O P	Brake	Without holding brake Permanent magnet holding brake
096	Voltage constant K_{EM}	96 V/1000 rpm (example)

1.2 Nameplate

A nameplate of an EZ705 synchronous servo motor is explained in this chapter as an example.



Line	Value	Description
1	STÖBER Antriebstechnik GmbH + Co. KG	Logo and address of the manufacturer
2	EZ705BDADM4P106	Type designation of the servo motor

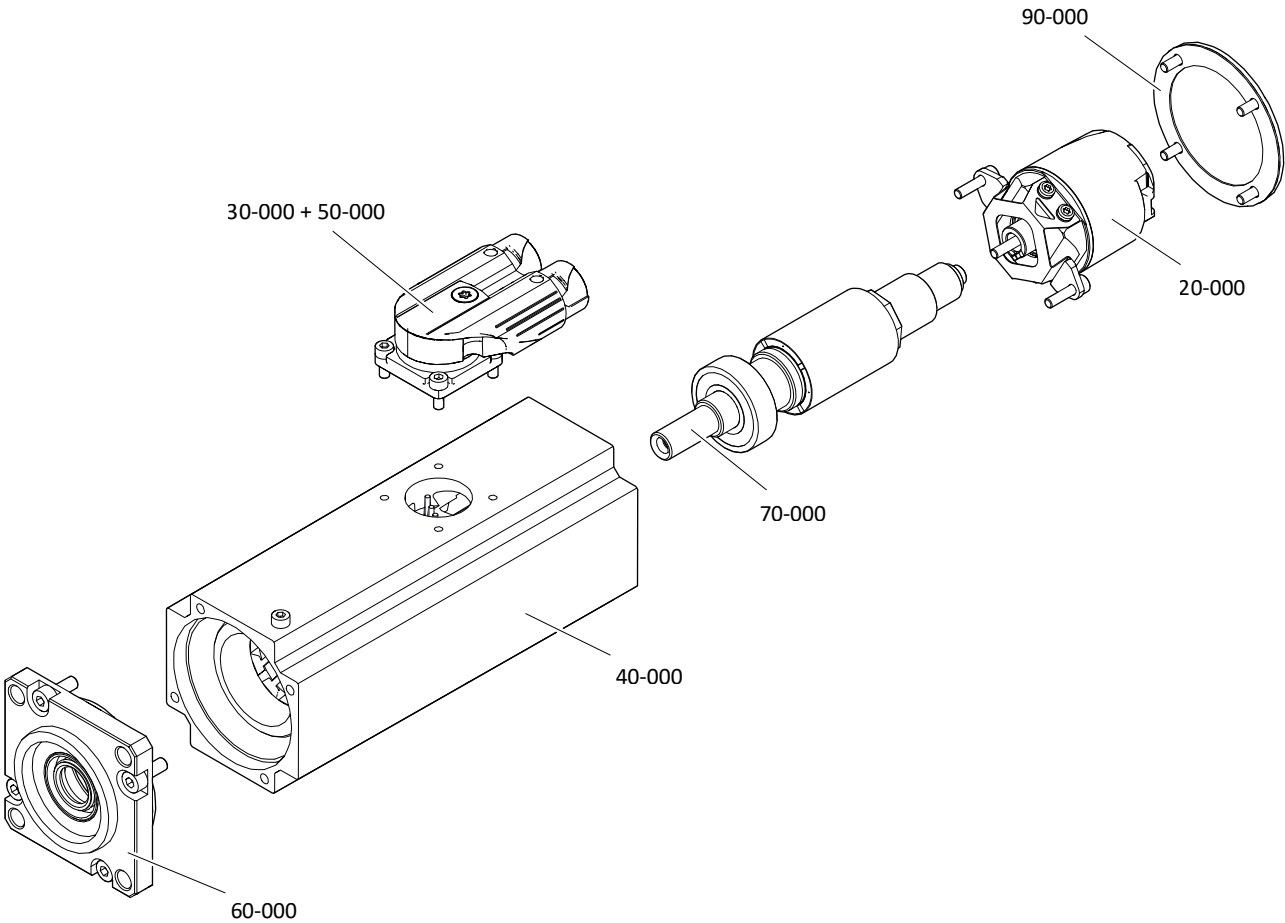
¹ EZ3 motors only available with convection cooling

Line	Value	Description
3	3~ synchronous servo motor S1 operating	Motor type: Three-phase synchronous servo motor Operating mode
4	nN=4500 rpm PN=13.05 kW IP56 TE IVIC-C	Nominal speed Nominal power Protection class of the motor Protection class in accordance with UL1004 Impulse voltage insulation class
5	EnDat 2.2 Brake 32.0 Nm 24.00 V 1.1 A	Encoder interface Holding brake (optional) Static braking torque at 100 °C Nominal voltage (DC) of the holding brake Nominal current of the holding brake at 20 °C
6	SN: 10649484 CD: 136637	Serial number of the motor Customer-specific data
7	23/01 PF	Date of manufacture (year/calendar week) Place of manufacture (abbreviation)
8	CE	CE mark
9	UKCA	UKCA mark
10	M0=39.4 Nm I0=32.8 A KEM=106 V/1000 rpm	Stall torque Stall current Voltage constant
11	cURus E488992	cURus test symbol, registered under UL number E488992
12	Therm. class 155 (F) Therm. prot. PTC 145 °C	Thermal class Type of temperature sensor
13	Fan 230 V ± 5%; 50/60 Hz IP54 IF = 0.10 A	Forced ventilation unit (option) Nominal voltage of the forced ventilation unit Protection class of the forced ventilation unit Nominal current of the forced ventilation unit
14	QR code	Link to product information

1.3 Additional documentation

You can find supporting technical documents for this product when you enter the serial number of the product at <https://id.stober.com> or scan the QR code on the product's nameplate.

2 EZ2 motors without brake, with optical encoder

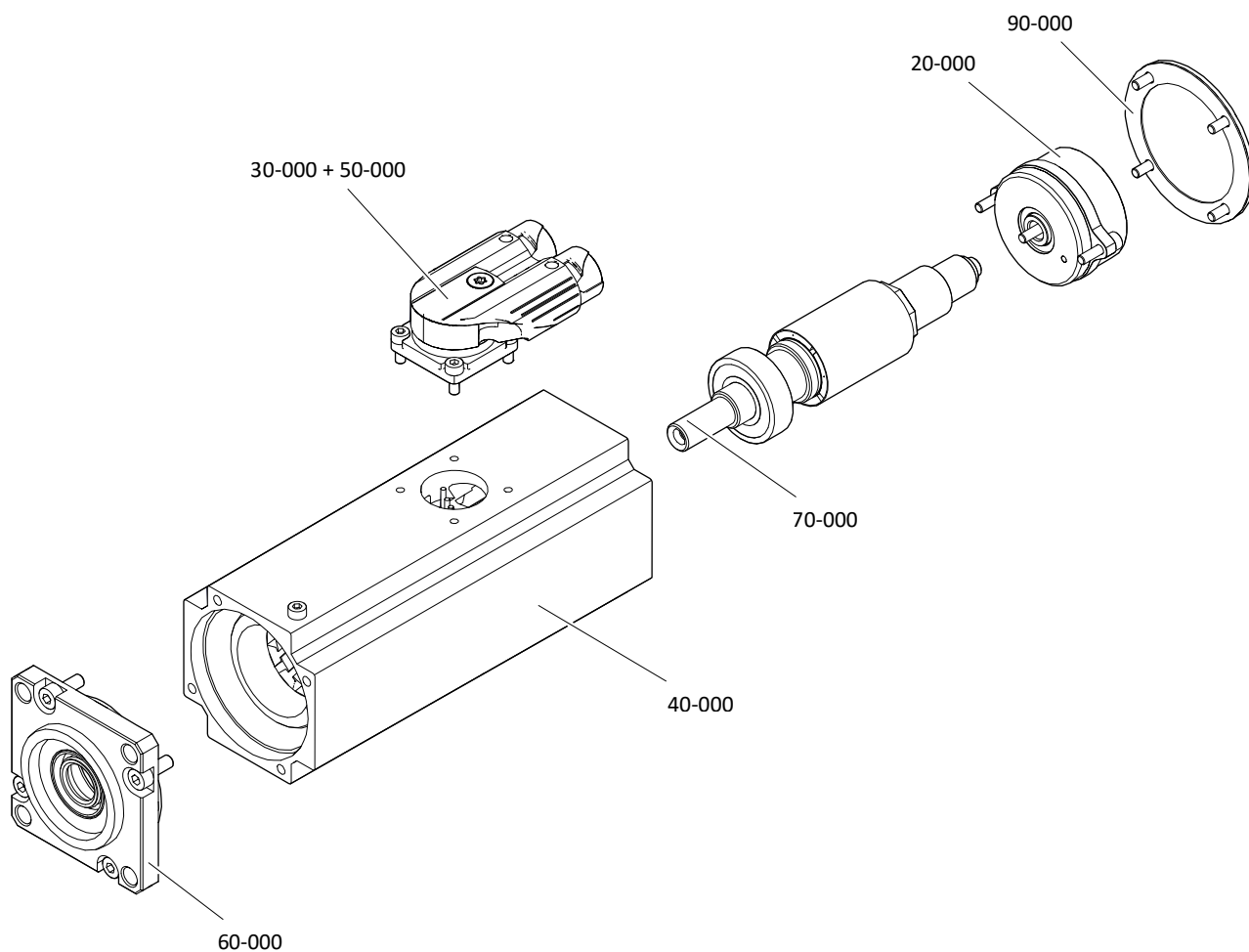


Item No.	Designation	Item No.	Designation
20-000	Encoder (complete)	30-000	Encoder connection (complete)
40-000	Stator (complete)	50-000	Power connection (complete)
60-000	Output flange (complete)	70-000	Rotor shaft (complete)
90-000	B-side cover (complete)		

Other designs of output flange 60-000 are shown in the chapter [Overview of output flange for EZ2 motors](#) [► 8].

Other designs of encoder connection 30-000 and power connection 50-000 are shown in the chapter [Overview of plug connector for EZ2 motors](#) [► 9].

3 EZ2 motors without brake, with inductive encoder or resolver

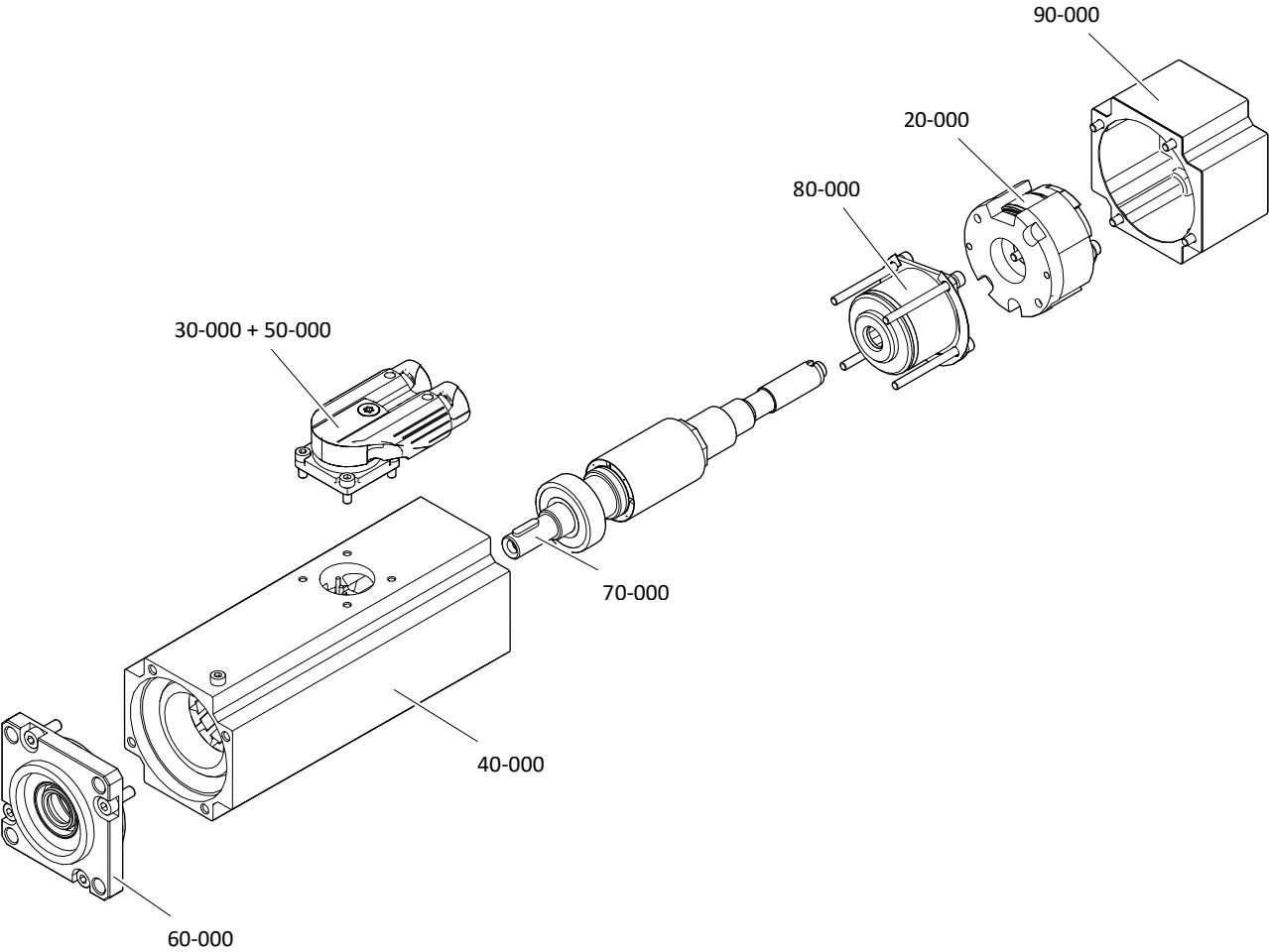


Item No.	Designation	Item No.	Designation
20-000	Encoder (complete)	30-000	Encoder connection (complete)
40-000	Stator (complete)	50-000	Power connection (complete)
60-000	Output flange (complete)	70-000	Rotor shaft (complete)
90-000	B-side cover (complete)		

Other designs of output flange 60-000 are shown in the chapter [Overview of output flange for EZ2 motors](#) [► 8].

Other designs of encoder connection 30-000 and power connection 50-000 are shown in the chapter [Overview of plug connector for EZ2 motors](#) [► 9].

4 EZ2 motors with brake

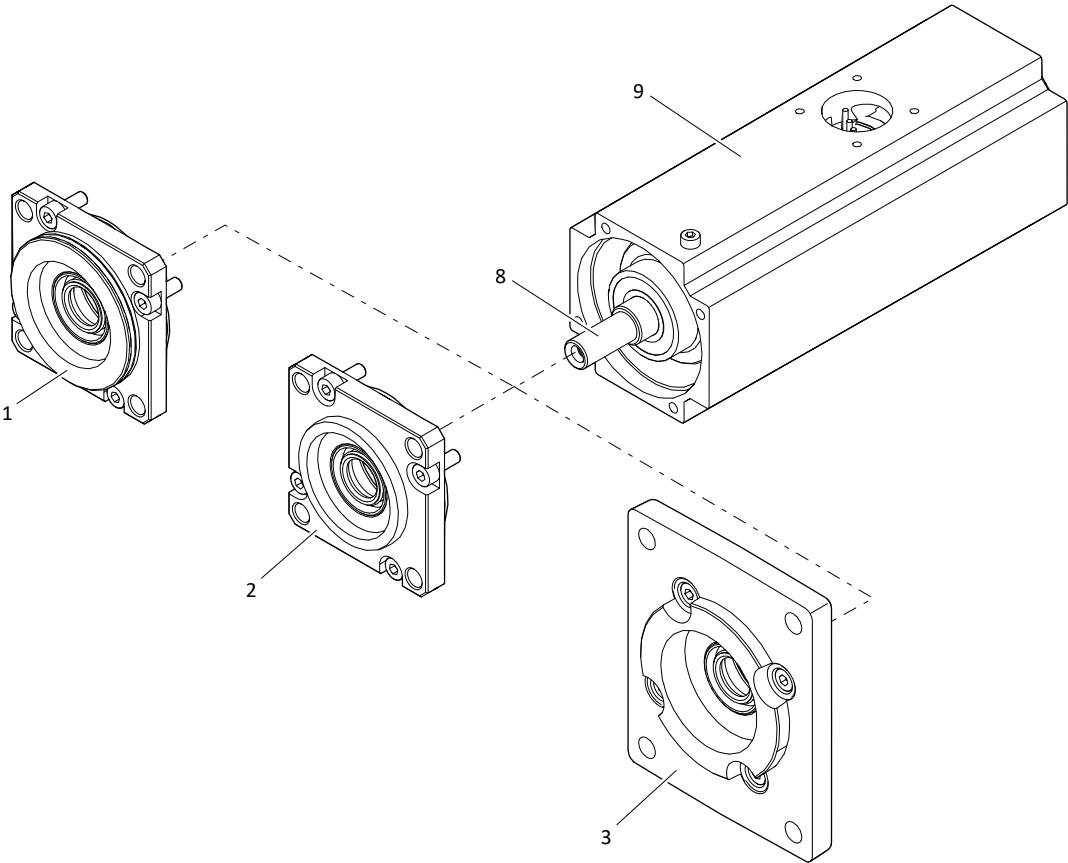


Item No.	Designation	Item No.	Designation
20-000	Encoder (complete)	30-000	Encoder connection (complete)
40-000	Stator (complete)	50-000	Power connection (complete)
60-000	Output flange (complete)	70-000	Rotor shaft (complete)
80-000	Holding brake (complete)	90-000	B-side cover (complete)

Other designs of output flange 60-000 are shown in the chapter [Overview of output flange for EZ2 motors](#) [► 8].

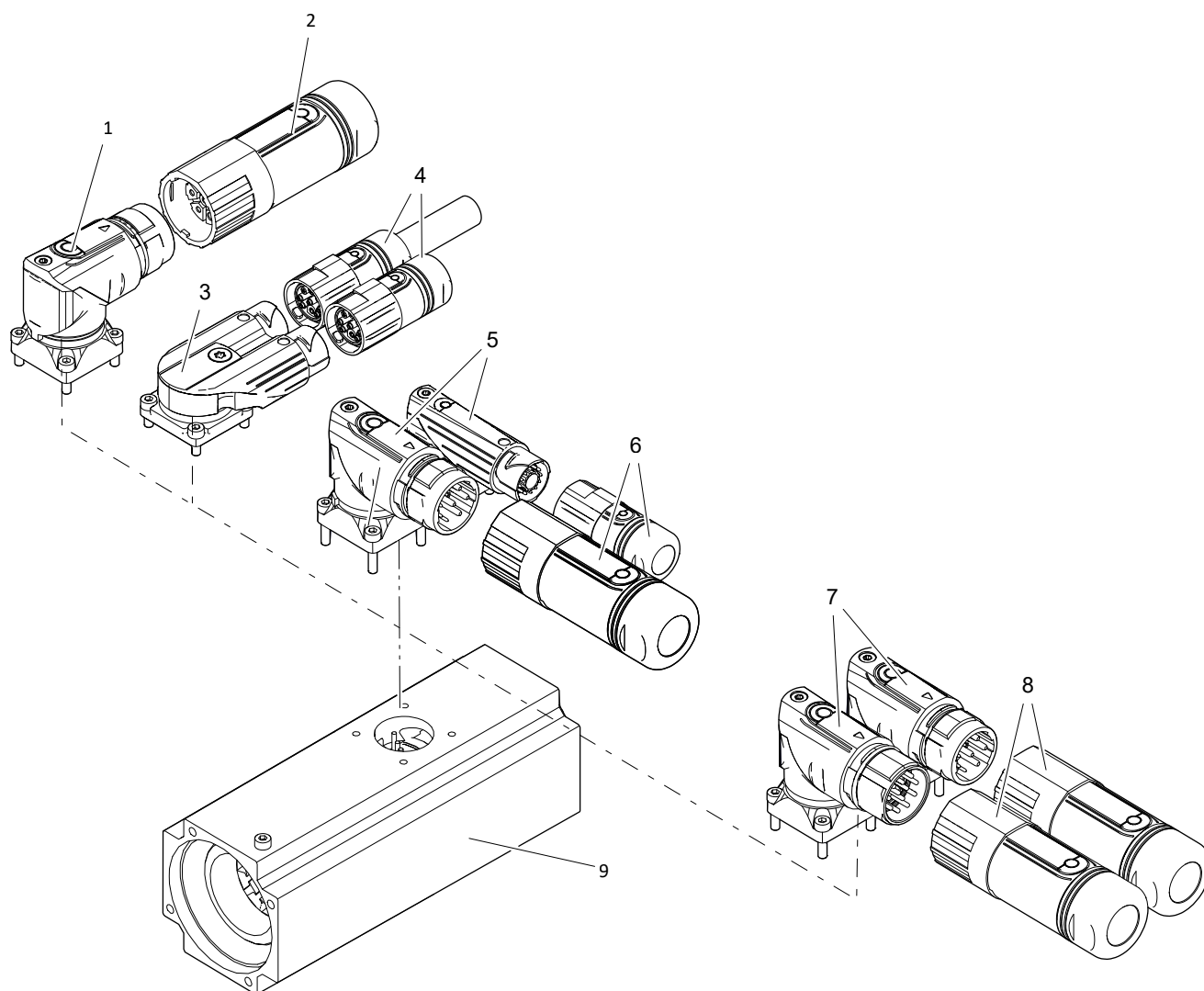
Other designs of encoder connection 30-000 and power connection 50-000 are shown in the chapter [Overview of plug connector for EZ2 motors](#) [► 9].

5 Overview of output flange for EZ2 motors



Item No.	Designation	Item No.	Designation
1	Output flange for P/C/F/K/S gear unit	2	Output flange in acc. with IEC standard
3	Output flange for KL1 gear unit	8	Rotor shaft
9	Stator		

6 Overview of plug connector for EZ2 motors



Item No.	Designation	Item No.	Designation
1	Plug connector for One Cable Solution (OCS)	2	Mating connector for One Cable Solution (OCS)
3	Plug connector for connection to STOBBER drive controllers	4	Mating connector for connection to STOBBER drive controllers
5	Plug connector for connection to B&R ACOPOSmulti drive controllers with EnDat 2.2 interface	6	Mating connector for connection to B&R ACOPOSmulti drive controllers with EnDat 2.2 interface
7	Plug connector for connection to other drive controllers from third-party manufacturers	8	Mating connector for connection to other drive controllers from third-party manufacturers
9	Stator		

The connection cables shown are not included in the scope of delivery of the mating connector.



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