

## Motion control Lexium integrated drives

IL●2 for DeviceNet, EtherCAT, EtherNet/IP,  
Modbus TCP, Ethernet POWERLINK  
ILS2 with 3-phase stepper motor

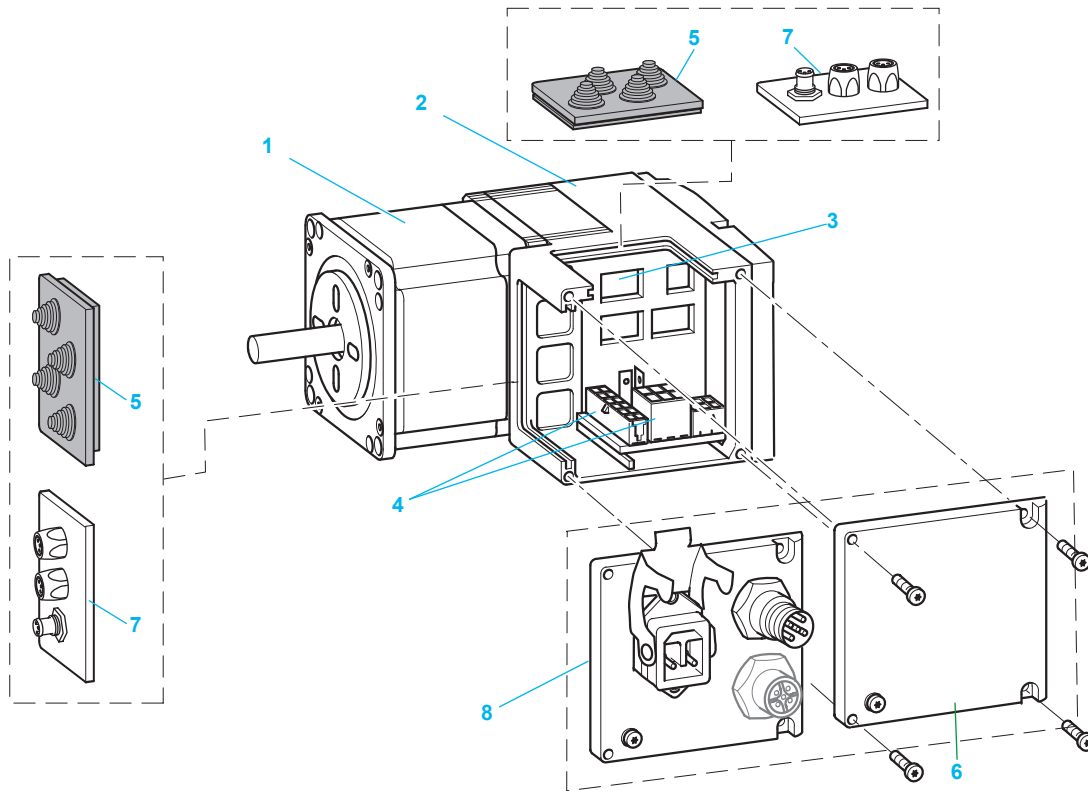
### Description

ILS2 integrated drives consist of control electronics with an interface for DeviceNet, EtherCAT, EtherNet/IP, Modbus TCP or Ethernet POWERLINK communication bus and a 3-phase stepper motor.

For ILS2●85 integrated drives, an integrated holding brake is also available as an option.

Two types of connection are possible:

- Printed circuit board connectors
- Industrial connectors



1 3-phase stepper motor

2 Electronic unit

3 Parameter switch

4 Connection terminals

For drive with printed circuit board connector:

5 Cable entry plate (see accessories page 36)

6 Cover

For drive with industrial connector:

7 Plate for connecting I/O and the Safe Torque Off function (see accessories page 38)

8 Cover for connecting the 24/48 V  $\overline{\text{V}}$  power supply and the communication bus (see accessories page 38)

**Note:** I/O connection plate equipped with industrial connectors for:

- DeviceNet and Modbus TCP communication bus (1 round connector for IN and OUT signals)

- EtherCAT, EtherNet/IP and Ethernet POWERLINK communication bus: 2 round connectors (1 round connector for each signal, IN and OUT).

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ILS2 integrated drive with 3-phase stepper motor

References													
Example:	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Motor type</b> S = 3-phase stepper motor	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Supply voltage</b> 1 = 24...36 V	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Communication interface</b> D = DeviceNet E = EtherCAT K = EtherNet/IP P = Ethernet POWERLINK T = Modbus TCP	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Flange size</b> 57 = 57 mm 85 = 85 mm	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Drive type (1)</b> 1 = ILS2●●●1 2 = ILS2●●●2 3 = ILS2●●●3	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Winding type (1)</b> P = medium rotation speed T = high rotation speed (2)	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Connection</b> B = printed circuit board connector C = industrial connector	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Sensor type</b> 1 = reference pulse sensor (Zero marker)	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Holding brake</b> A = without holding brake F = with holding brake (3)	I	L	S	2	D	5	7	1	P	B	1	A	0
<b>Gearbox</b> 0 = without gearbox	I	L	S	2	D	5	7	1	P	B	1	A	0

(1) See the main characteristics and dimensions according to the type of drive in the table below:

Drive		ILS2●571	ILS2●572	ILS2●573	
<b>Winding type</b>		P	P	T	
<b>Nominal speed of rotation</b>	rpm	1100	900	600	
<b>Maximum torque</b>	Nm	0.45	0.9	1.5	
<b>Holding torque</b>	Nm	0.45	0.9	1.5	
<b>Dimensions (overall in mm)</b>	W x H x D	57.2 x 92.2 x 101.9	57.2 x 92.2 x 115.9	57.2 x 92.2 x 138.9	
Drive		ILS2●851	ILS2●852	ILS2●853	
<b>Winding type</b>		P	P	T	P
<b>Nominal speed of rotation</b>	rpm	600	380	200	300
<b>Maximum torque</b>	Nm	2	4	6	4.5
<b>Holding torque</b>	Nm	2	4	6	4.5
<b>Dimensions (overall in mm)</b>	Without holding brake	W x H x D	85 x 119.6 x 140.6	85 x 119.6 x 170.6	85 x 119.6 x 200.6
	With holding brake	W x H x D	85 x 119.6 x 187.3	85 x 119.6 x 217.3	85 x 119.6 x 247.3

(2) Twinding only available for integrated drive with 85 mm flange (ILS2●853).

(3) Holding brake only available for integrated drive with 85 mm flange (ILS2●85).

**Note:** See all the data (characteristics, dimensions) on our website [www.schneider-electric.com](http://www.schneider-electric.com).