

Motion control Lexium integrated drives ILT●V with pulse/direction (P/D) interface With 2-phase stepper motor

Description

ILT●V integrated drives equipped with a pulse/direction (P/D) interface comprise a 2-phase stepper motor and control electronics.

The configuration of ILT●V integrated drives can be modified on the fly or downloaded and saved to a non-volatile memory using the Lexium CT PC software tool. The parameters can be modified via the SPI serial link interface.

There are three types of connection, depending on the flange size:

- Flying leads
- Industrial connectors
- Printed circuit board connectors

Connection types

Flying leads



Connection via industrial connector



Connection via printed circuit board connector



Motion control

Lexium integrated drives

ILT●V with pulse/direction (P/D) interface
With 2-phase stepper motor



ILT●V integrated drive with pulse/direction (P/D) interface

References												
Example:	I	L	T	2	V	3	6	1	M	N	0	A
Motor type T = 2-phase stepper motor	I	L	T	2	V	3	6	1	M	N	0	A
Supply voltage 2 = 24...48 V $\overline{\text{---}}$ 5 = 230 V \sim (for 85 mm flange only)	I	L	T	2	V	3	6	1	M	N	0	A
Communication interface V = pulse/direction (P/D)	I	L	T	2	V	3	6	1	M	N	0	A
Flange size 36 = 36 mm 42 = 42 mm 57 = 57 mm 85 = 85 mm	I	L	T	2	V	3	6	1	M	N	0	A
Drive type (1) 1 = ILT●V●●1 2 = ILT●V●●2 3 = ILT●V●●3 4 = ILT●V●●4	I	L	T	2	V	3	6	1	M	N	0	A
Speed/torque index M = medium torque, medium rotation speed	I	L	T	1T	V	3	6	1	M	N	0	A
Connection B = flying leads (except for motor with 36mm flange ($\overline{\text{---}}$) and 85 mm flange (\sim)) C = industrial connector (except for motor with 36 mm flange ($\overline{\text{---}}$) and 85 mm flange ($\overline{\text{---}}$)) N = printed circuit board connector (for motor with 36 mm flange ($\overline{\text{---}}$))	I	L	T	2	V	3	6	1	M	N	0	A
Sensor type 0 = without sensor	I	L	T	2	V	3	6	1	M	N	0	A
Holding brake A = without holding brake	I	L	T	2	V	3	6	1	M	N	0	A

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

Drive	ILT2V											ILT5V					
	361	421	422	423	571	572	573	574	851	852	853	851	852	853			
Nominal supply voltage	V $\overline{\text{---}}$	24...48											-				
	V \sim	-											230				
Holding torque	Nm	0.11	0.19	0.33	0.39	0.63	0.86	1.44	1.77	2.13	3.12	5.87	2.16	3.16	4.79		
Dimensions (overall in mm)	Flying leads	W x H	-		42.7 x 58.3			56.4 x 75.2			86.1 x 94.7			-			
		D	-		55.9	61.7	70.4	67.3	76.7	98.6	134.1	96.8	116.8	156.7	-		
	With industrial connector	W x H	-		42.9 x 70.9			56.4 x 75.2			-			87.8 x 164.2			
		D	-		77.7	83.6	92.2	88.4	97	118.6	-	-	-	155	174.3	214.3	
	With printed circuit board connector	W x H	35.6 x 52		-												
		D	48.5		-												

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