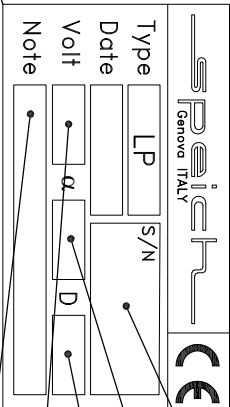
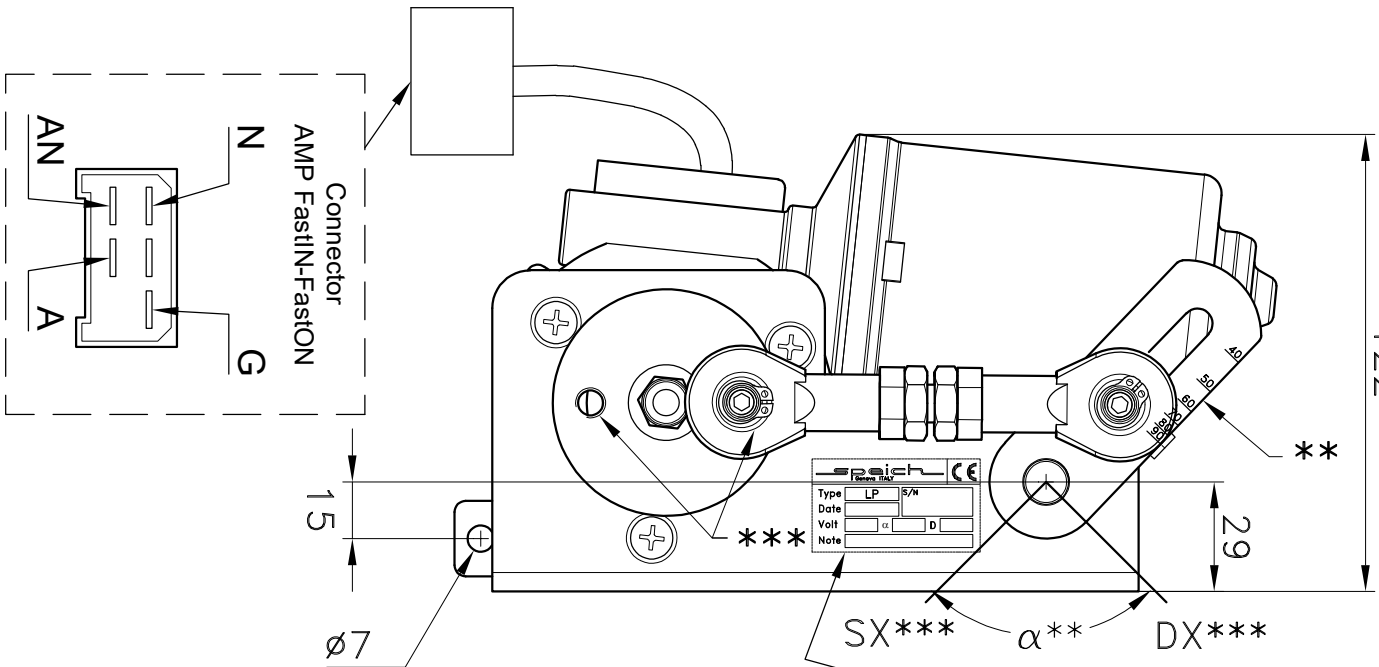
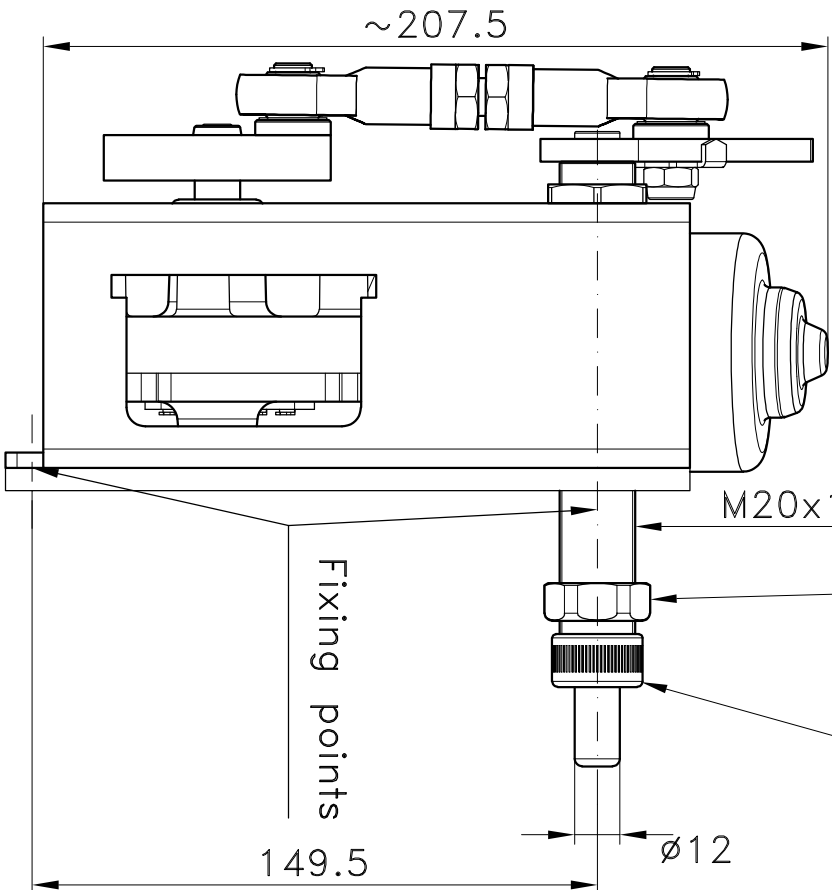




Protection cup 15615

Nut 15613

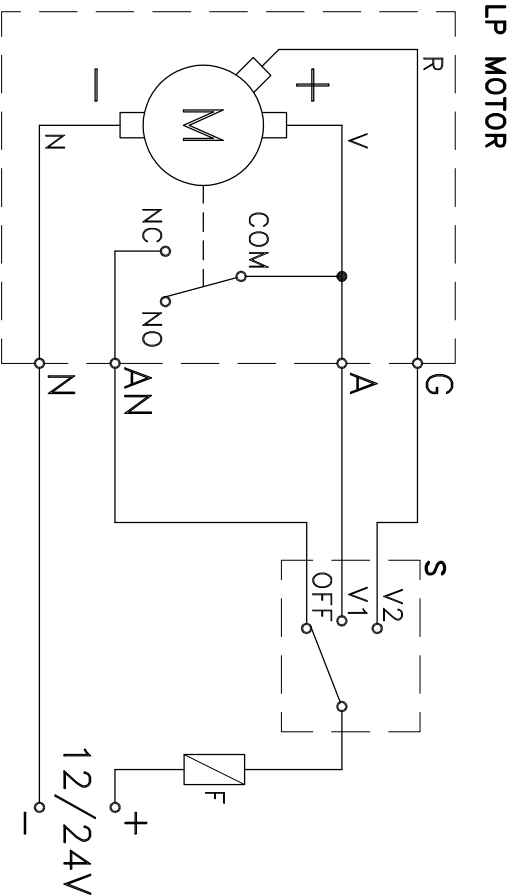


SPEICH P/N: LP.V.D

- (N) SERIAL NUMBER which identifies the whole wiper system
- (α) WIPING ANGLE (degrees)
- (D) MOUNTING WALL THICKNESS (mm)
- (V) RATED VOLTAGE: 12-24Vdc

NOTES (self-parking side setup, position ecc..)

WIRING DIAGRAM



- N BLACK: negative pole
- AN BLUE BLACK: self parking
- A BLUE: low speed
- G GRAY: high speed
- R RED
- V GREEN

S SWITCH (see dedicated documentation for SPEICH controller)
OFF (PARK POSITION)
V1 SLOW
V2 FAST
F delayed fuse: 12V 5A ; 24V 3A

TECHNICAL FEATURES

No.	DESCRIPTION	VALUE
1	Available rated voltage (V)	12-24Vdc
2	Torque	42Nm starting
3	Nominal Power	50W (V1) / 85W (V2)
4	Starting Power	300W (V1) / 480W (V2)
5	Voltage range	±10%
6	Strokes for minute	~30 (V1) / 42 (V2)
7	Bushing for wall thickness (D)	20-40-60-80-100 mm
8	Wiping angle (α)	40° ± 90° adjustable
9	Self parking	Available left side or right side
10	Working temperature	-30° ± +45° C
11	Insulation class	F
12	Protection degree	IP50
13	Compliance	EN 13309

REVISIONS HISTORY

No.	DATE	DESIGNER	CHECK	REMARKS
0	28/05/09	M. Lunardi	M. Speich	First issue
1	20/02/15	M. Lunardi	M. Speich	Connecting rod revision
2	04/08/19	R. Speich	M. Speich	General review

DRAWING CONFIDENTIALITY STATEMENT
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TITLE	MATERIAL	TREATMENT	TOTAL WEIGHT	TECHNICAL MANUAL
WIPER MOTOR TYPE L SERIES	-	Black painted	~3550g	TM-MotorLP

REFERENCE

TECHNICAL DATASHEET

PROJECT

WINDSCREEN WIPER SYSTEM LP

GENERAL NOTES

- All dimensions are in mm unless otherwise stated
- General tollerances according to UNI EN 22768-mk
- Refer to the manual for not stated tightening torques

- *) Wall thickness
- **) Adjustable wiping angle: 40°±90° (see the manual)
- ****) Adjustable self-parking side (see the manual, right side setup is illustrated)

GENERAL NOTES

- All dimensions are in mm unless otherwise stated
- General tollerances according to UNI EN 22768-mk
- Refer to the manual for not stated tightening torques



Scale	Size	Sheet
1:2	A3	1 of 1