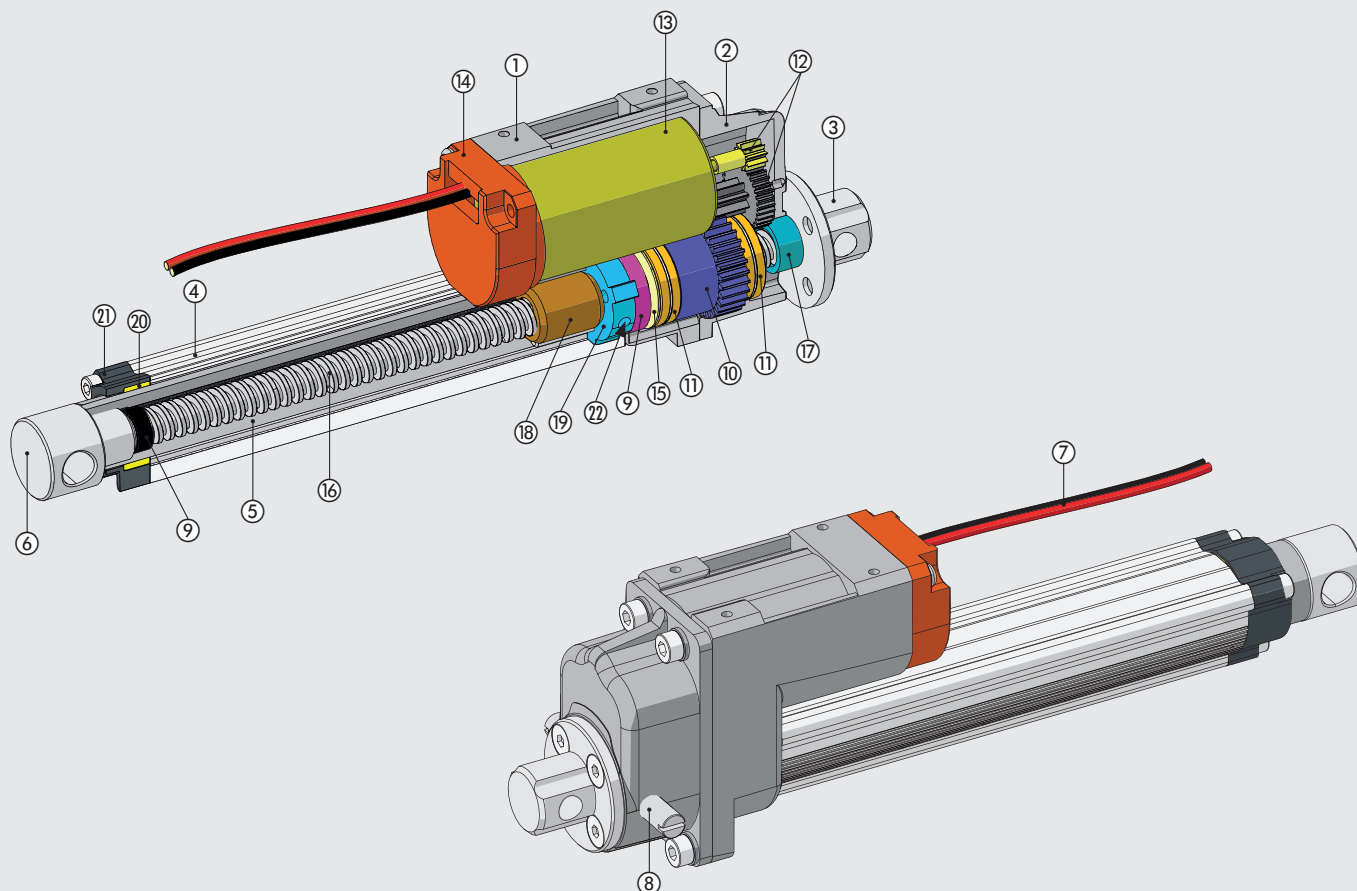


COMPONENTS

ACTUATORS

ELECTRIC CYLINDER SERIES ELEKTRO MINI DC

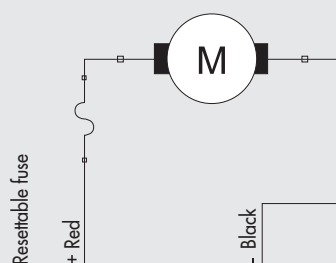


- ① TRANSMISSION PLATE: die-cast zamak
- ② COVER: die-cast zamak
- ③ REAR FLANGE: zinc-plated steel
- ④ BARREL: anodized aluminium
- ⑤ PISTON ROD: anodized aluminium
- ⑥ NIPPLE: zinc-plated steel
- ⑦ POWER CABLE (+ ENCODER)
- ⑧ PIN: zinc-plated steel
- ⑨ BUFFER: polyurethane
- ⑩ LEAD SCREW NUT ASSEMBLY
- ⑪ THRUST BEARING RING: technopolymer - steel
- ⑫ GEAR: sintered steel

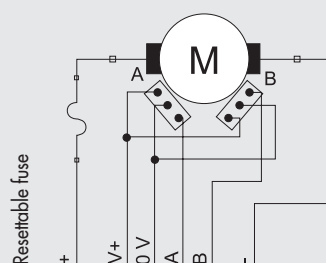
- ⑬ MOTOR
- ⑭ MOTOR COVER: technopolymer
- ⑮ BELLEVILLE WASHER: steel
- ⑯ SCREW: stainless steel
- ⑰ BUSHING: sintered steel
- ⑱ BALL SCREW: technopolymer
- ⑲ NON-ROTATING: technopolymer
- ⑳ FRONT BUSHING: technopolymer
- ㉑ FRONT CYLINDER HEAD: technopolymer
- ㉒ MAGNET: neodymium

CYLINDER CONNECTION AND WIRING DIAGRAM

WITHOUT ENCODER

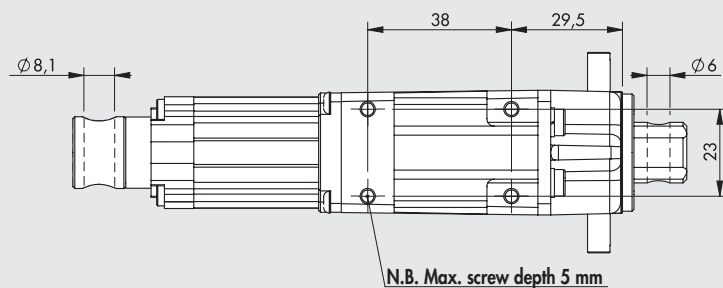


WITH ENCODER

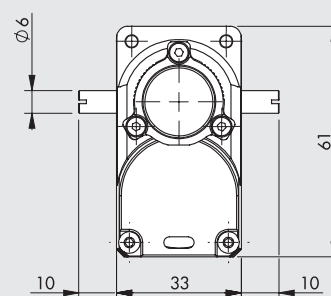
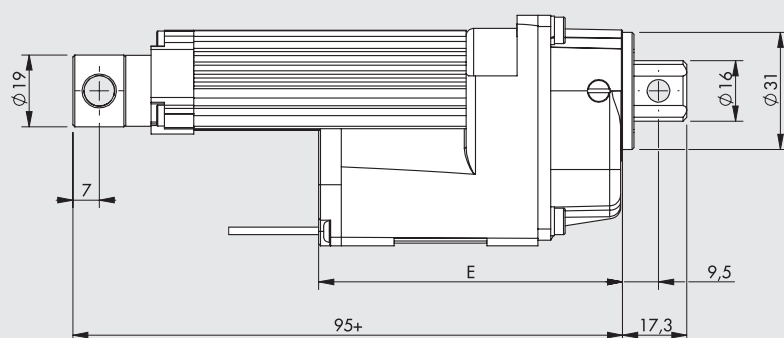


Function	Corresponding wire colour
Motor power supply +	Red
Motor power supply -	Black
Encoder V+ 5-24 VDC supply	Brown
Encoder 0 V supply	Yellow
Encoder channel A (NPN)	Violet
Encoder channel B (NPN)	Blue

+ = ADD THE STROKE

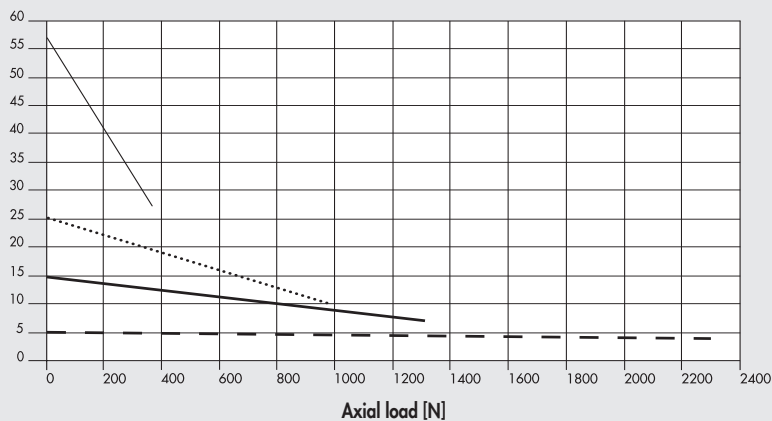


Version	Code	E
Motor 24VDC	372025__36_5	80.5
Motor 24VDC + Encoder	372025 38 5	85



AXIAL LOAD CURVES AS A FUNCTION OF SPEED

Speed [mm/s]



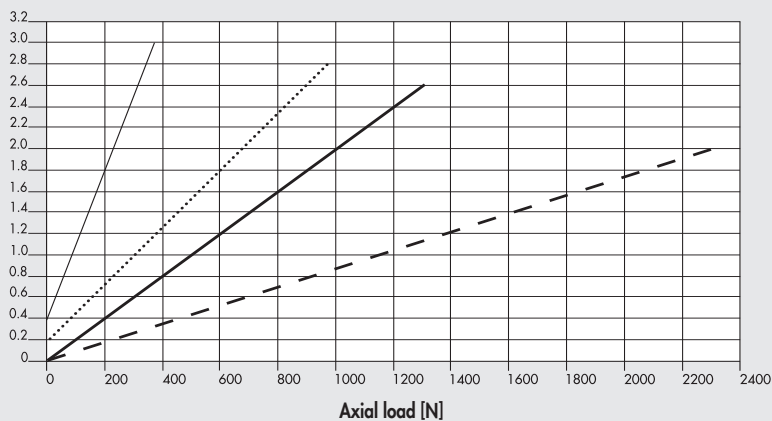
_____ 372025_ _ _ _ 363_25 (1/12 gear ratio)

..... 372025_ _ _ 363_35 (1/27 gear ratio)

_____ 372025 _____ 363_45 (1/48 gear ratio)

— — — 372025_—_—_363_55 (1/108 gear ratio)

Current [A]



_____ 372025_ _ _ _ 363_25 (1/12 gear ratio)

..... 372025_ _ _ 363_35 (1/27 gear ratio)

_____ 372025_ _ _ _ 363_45 (1/48 gear ratio)

— — — 372025 — — — 363_55 (1/108 gear ratio)

ACTUATOR-DRIVE COUPLING

ACTUATOR			DRIVE	
Code	Description		Code	Description
3720250__363_5		ELECTRIC CYLINDER SERIES ELEKTRO MINI DC	37D3112000	E.DIRECT DRIVE FOR DIRECT CURRENT MOTORS

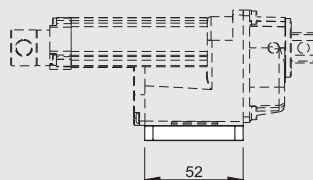
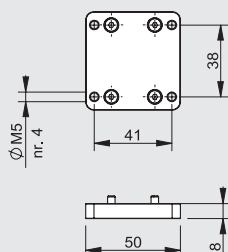
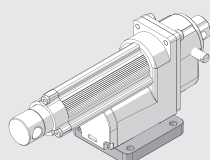
N.B.: The Mini DC cylinder needs no drive for "basic" operation.

KEY TO CODES

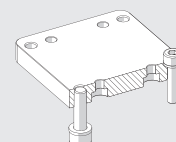
CYL	37 TYPE	2	0	25 BORE	0050 STROKE	3 SCREW PITCH	6 VERSION	3 DRIVE	6 SUPPLY VOLTAGE	2 GEAR RATIO	5 CYLINDER END TYPES
	37 Electric actuators	2 Cylinder Elektro DC	0 STD	25	50 100 150 200 250 300	3 Screw pitch 3	6 Geared with non-rotating IP40	3 Motor direct current	6 24VDC + fuse 8 24VDC + Encoder + fuse	2 1/12 3 1/27 4 1/48 5 1/108	5 Nose piece drilled and rear hinge

ACCESSORIES: FIXINGS

FOOT



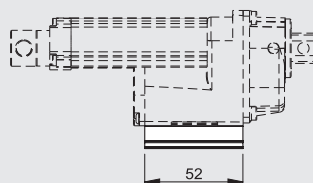
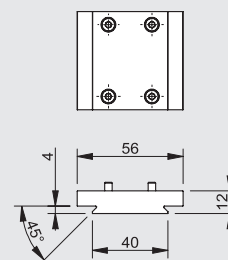
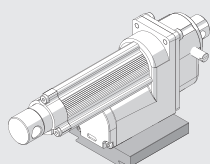
Fixing from below with M5 screw, or from above with through M4 screw.



Code	Weight [g]
095D25E042	41

Note: 1 piece per pack complete with 4 screws

V-LOCK FOOT

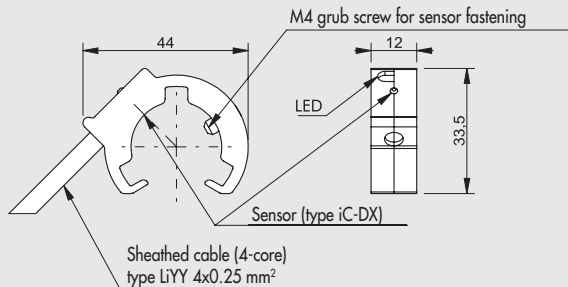


Code	Weight [g]
095D25E042K	90

Note: 1 piece per pack complete with 4 screws

ACCESSORIES: MAGNETIC SENSORS

OVERALL DIMENSIONS AND ORDERING CODES



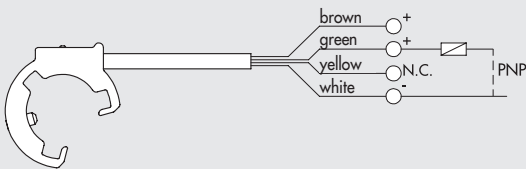
Code	Description
W095839	PNP/NPN switching sensor, 4 wires, cable 1.8 m
Note: Individually packed	

TECHNICAL DATA

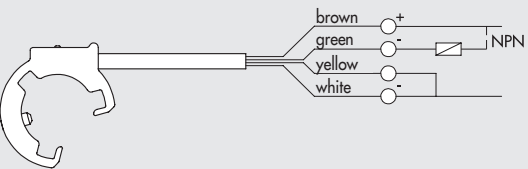
Type of contact		HALL EFFECT
Switch		N.O.
Supply voltage (U _b)	V	PNP / NPN
Output current	mA	10 to 24 DC
Connecting cable	m	≤ 100
Temperature range	°C	1.8
Degree of protection		-10 to +70
		IP40

WIRING DIAGRAM

Version PNP

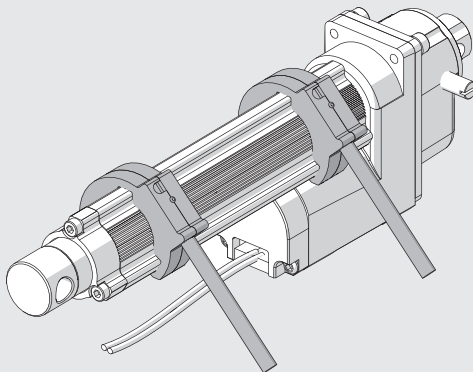


Version NPN



INSTALLATION

The figure shows the correct sensor mounting alignment, as the magnet is only present on one side of the cylinder.



NOTES