

SLX *e-motion*

MECHATRONIC LONG-STROKE VISE

UNIVERSAL

Extra long jaw stroke

100% ELECTRIC

No hydraulics or pneumatics necessary



- Monitoring of the jaw position / clamping force
- Mechanical maintenance of clamping force in case of power failure



Application/customer benefits

- Mechatronic clamping drive with maintenance of clamping force due to self-locking, spring pack and engine brake
- High total clamping force* up to 40 kN for high cutting performance
- Extra long jaw stroke, 99 mm per jaw
- Monitoring of the clamping force and jaw position
- Side / bottom connections for power and sensors

Technical features

- Total clamping force* max. 40 kN, Close / Open
- Jaw stroke 99 mm - repeatability ± 0.02 mm
- Self centering clamping (only O.D. clamping)
- Jaw width 160 mm
- Power supply 48 V / 10 A
- Communication interface Profinet / EtherNet/IP
- 2 STO Signals
- Protection class: IP67

SLX e-motion

Standart equipment

SLX e-motion

- • **Self centering** function via mechanical synchronisation

Monitoring of the clamping force and jaw position

Sealed jaw guideway
Extra long jaw stroke

Mechanical maintenance of clamping force in case of power failure

M23 hybrid plug

Power 48 V / 10 A

Profinet / Ethernet/IP

LED for status

Plug & Play



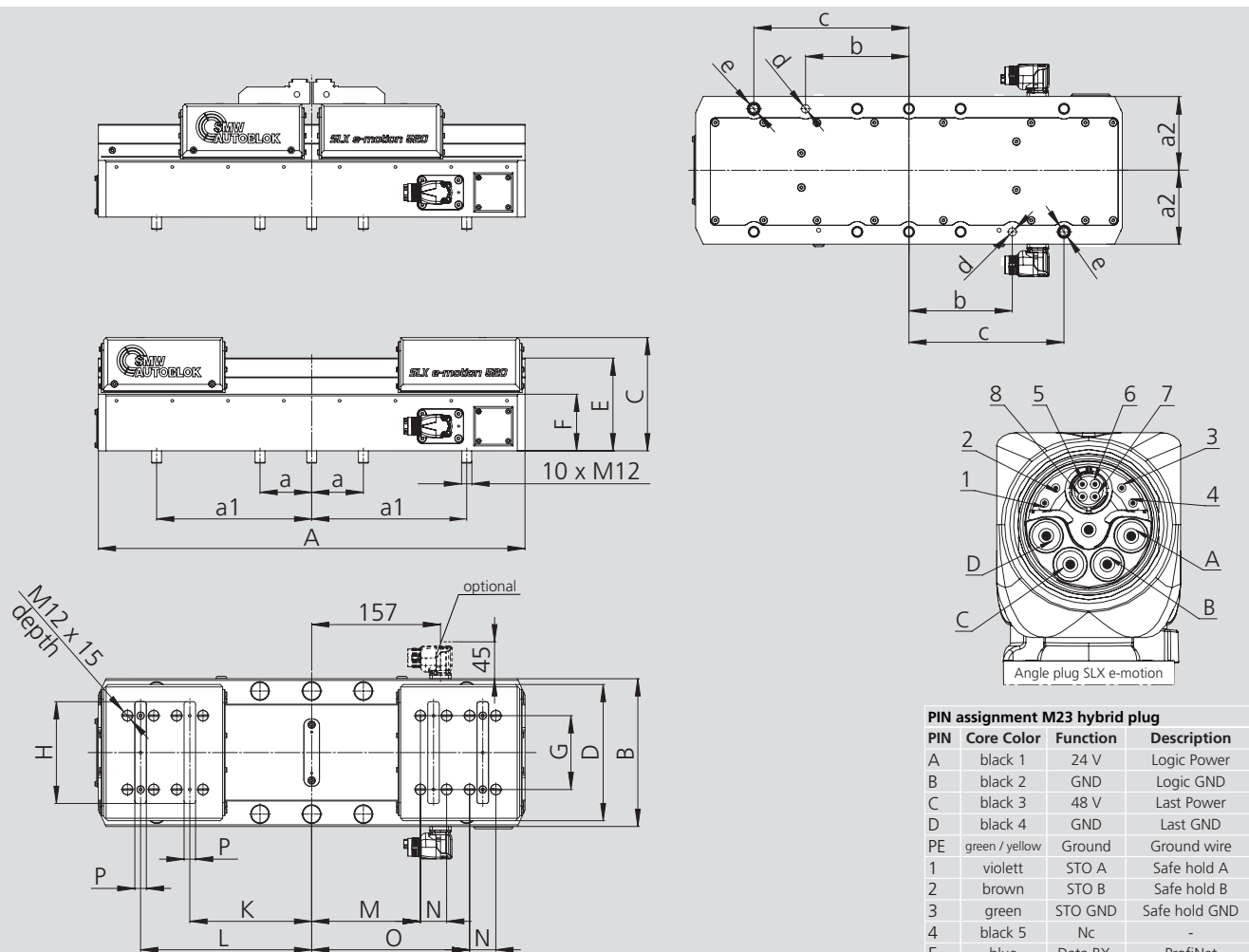
SLX e-motion



Integrated control

* Arithmetic total of all moving clamping

Dimension and technical data



Subject to technical changes.
For more detailed information please ask our customer service.

PIN assignment M23 hybrid plug			
PIN	Core Color	Function	Description
A	black 1	24 V	Logic Power
B	black 2	GND	Logic GND
C	black 3	48 V	Last Power
D	black 4	GND	Last GND
PE	green / yellow	Ground	Ground wire
1	violett	STO A	Safe hold A
2	brown	STO B	Safe hold B
3	green	STO GND	Safe hold GND
4	black 5	Nc	-
5	blue	Data RX-	ProfiNet
6	yellow	Data TX+	ProfiNet
7	white	Data RX+	ProfiNet
8	orange	Data TX-	ProfiNet

Type			SLX e-motion 520
Id.-No.			461600
Length	A	mm	520
	B	mm	180
Jaw width	C	mm	138
	D	mm	166
	E	mm	113
	F	mm	69
	G	mm	90
	H	mm	124
Min. / Max.	K	mm	49.5 / 148.5
Min. / Max.	L	mm	109.5 / 208.5
Min. / Max.	M	mm	33.5 / 132.5
Min. / Max.	N	mm	32
	O	mm	93.5 / 192.5
	P	mm	14 H ⁷ / 4 tief
	a / a1 / a2	mm	63 / 189 / 75
	b	mm	126 ±0.02
	c	mm	189 ±0.02
	d	mm	Ø10 H ⁷
	e	mm	Ø16 H ⁷
	-	mm	-
Max. clamping force	kN		40
Stroke per jaw	mm		99
Max. workpiece weight	kg		400
Mass	kg		70
Voltage	V		48
Power	A		10
Protection class	IP		67

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