Technical information

General

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Interface	USB Type-C (appears as virtual COM port on PC
Dimensions	180 mm x 105 mm x 26 mm
Weight	0.6 kg
Protection class	IP 20
Temperatures	Operation 10 °C to 60 °C, Storage -10 °C to 85 °C
Power supply	External 15 Vdc to 67 Vdc power supply required
Power consumption	28 W maximum
Motor	
Suitable types	2 phase bipolar stepper motor with 4 leads
Phase current	Up to 1 A RMS, adjustable in 30 mA steps
Source voltage	As supply voltage, 67 Vdc maximum
Resolution	8, 16, 32, 64, 128, 256 micro-stepping
Protection	Short to ground and phase to phase
Operating modes	

- Remote, via USB
- SDE interface using an external motion controller
- Trigger movement vis SDE interface
- Joystick
- Bake
- Homing (drive to limit switches)

Limits	
Quantity	2
Compatible switch types	Mechanical NO or NC (polarity selectable)

General	
Protection	Withstands continuous short to 12 V maximum
Miscellaneous	Source current < 1 mA

Motor temperature measurement	
Type	...ocouple
Range	
Accura...	
Fault o...	

SDE (s... tion, enable) i...	
Type	
Levels	
Maxim... ncy	

Joysti...	
Conne...	
Input t...	
Miscel...	...nt < 3.5 mA

Software	
Compatibility	Windows 7 or later

Mechanical

All dimensions are in millimetres.
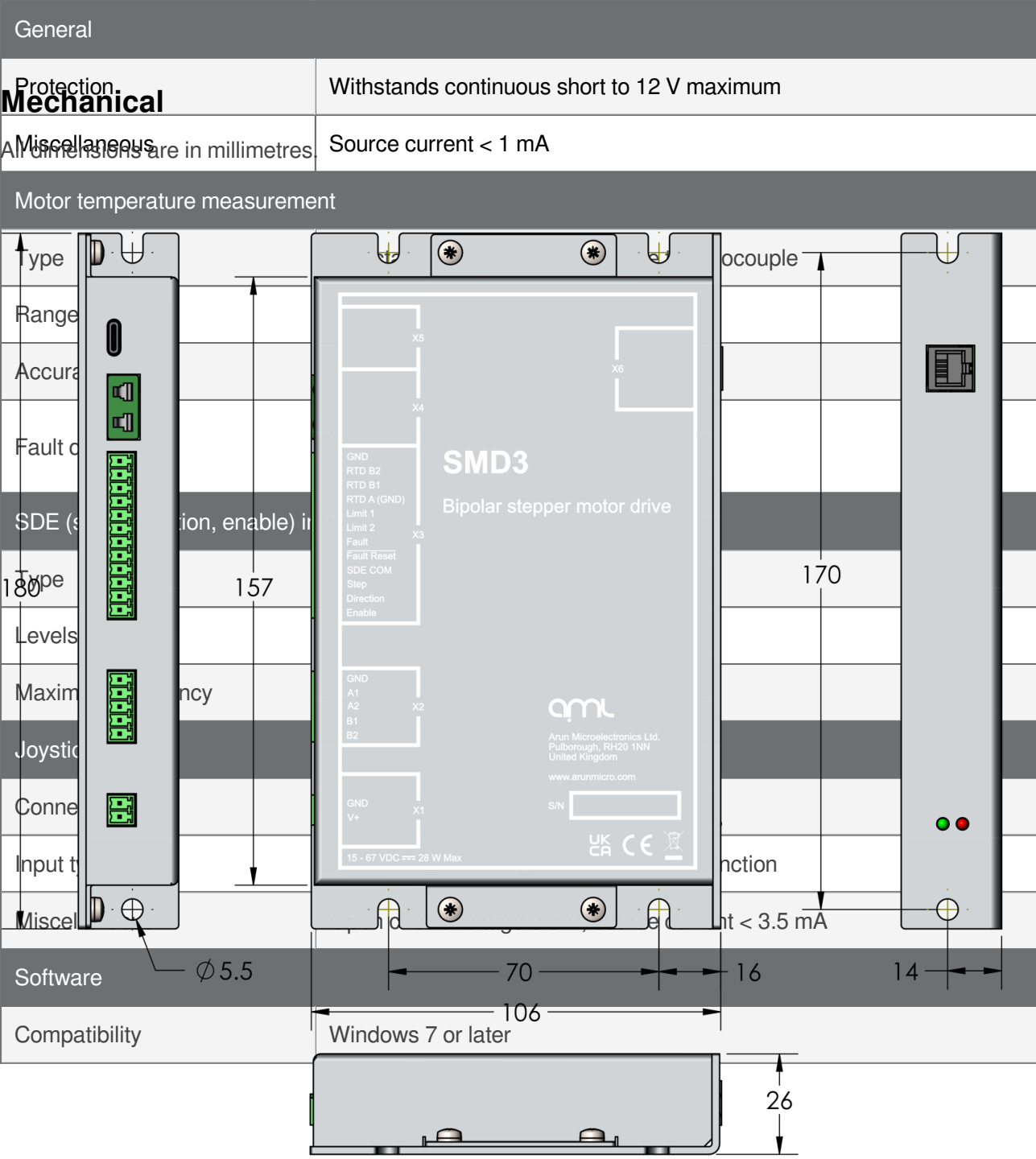
Scope of delivery

Qty.	Item
1	SMD3
1	USB Type-A to USB Type-C lead
1	Pluggable terminal block, 2-way, 3.5 mm pitch
1	Pluggable terminal block, 5-way, 3.5 mm pitch

1	Pluggable terminal block, 12-way, 3.5 mm pitch
1	Type K Thermocouple Free Plug, Miniature

Accessories

The following accessory items are available from AML.

Order Code	Item
SMD3JOY	Joystick
SPSU48V	48 Vdc, 60 W Power Supply
MLF18SMD3	Lead, Feedthrough to SMD3