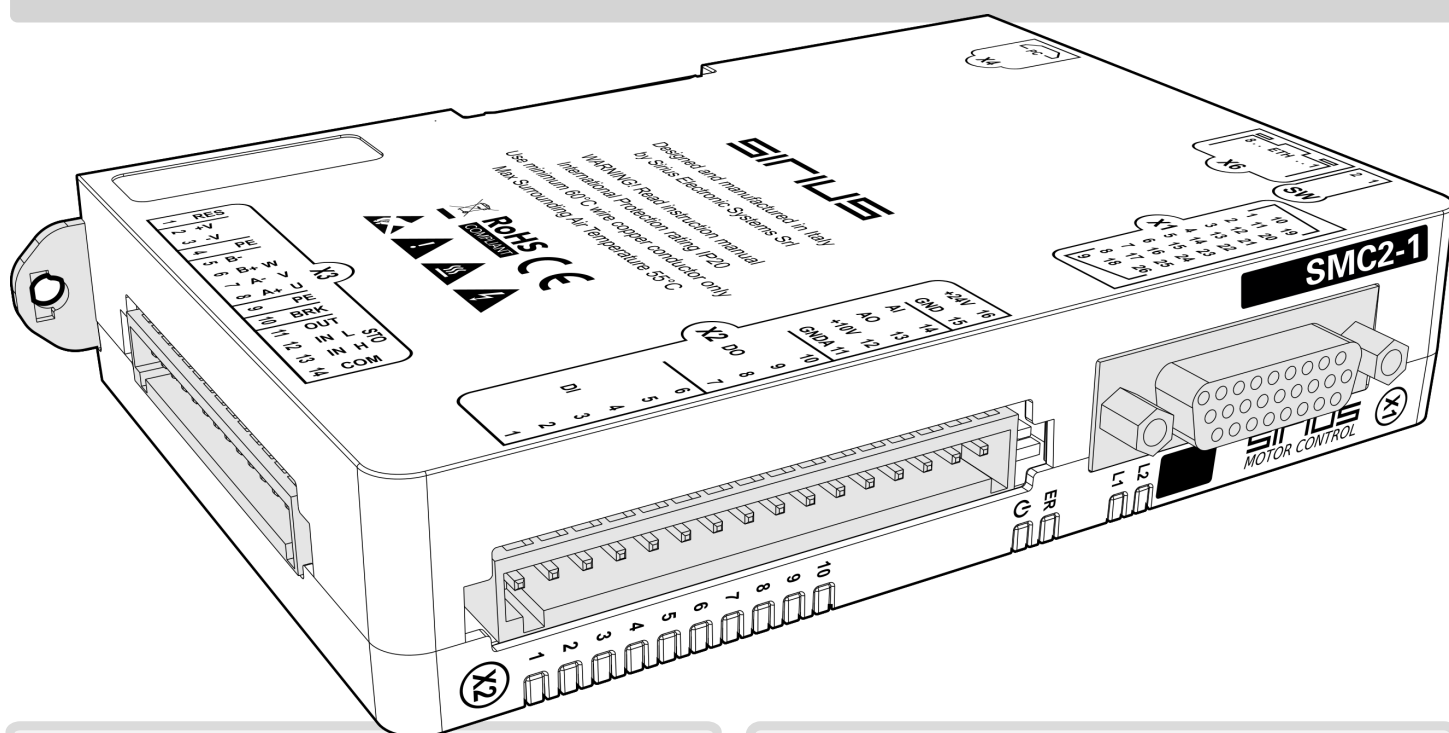




Features

Industrial grade motor driver powered up to 48Vdc and 24V logic

15A continuous and 20A peak output. Current is limited internally to prevent any damage

Communicates with any industrial computer board or PLC via USB VCOM and digital inputs

Drives any motor using feedbacks provided by Hall sensors and TTL encoders

Equipped with built-in safety, fully featured motion controller

Operates as a stand-alone device or communicate via advanced networking as part of multi-axis system

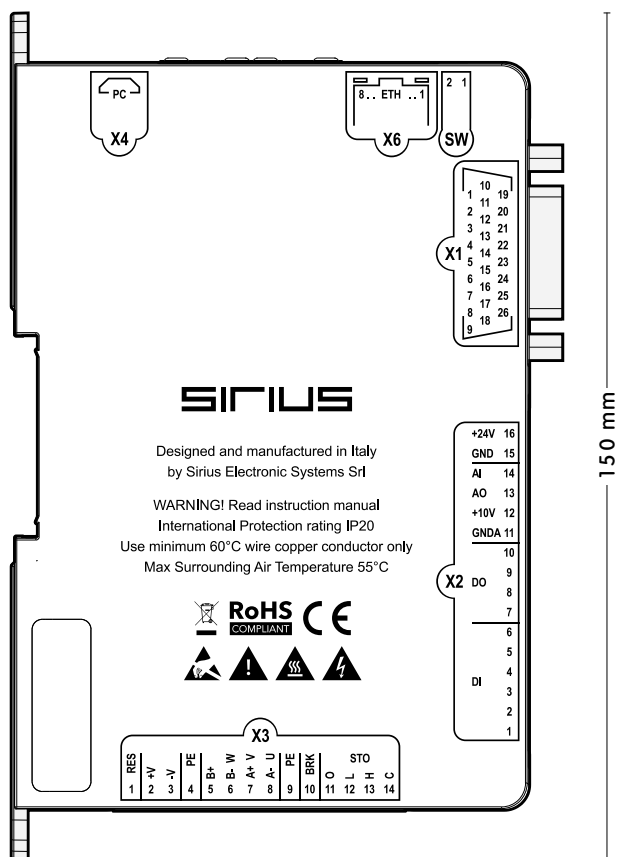
Programmable using IEC-651131-3 code: it's easy to set it up and tune via DeviceManager software

It conforms to Safety Integrity Level 3 using both PLC or TTL connection

Tech Specs

Logic supply	24Vdc $\pm$ 20%
Digital IN	6 @ 24V 10mA (4.7us RC)
Digital OUT	4 @ 24V 600mA PNP
Encoder IN	2
Hall Sensors	1
PT100 IN	1
Analog IN	1 @ 0-10V (12 bit resolution)
USB Ports	1 USB 2.0 type B for configuration and VCOM
STO current out	30mA (max 50mA), NPN, unprotected
STO	Safety Integrity Level 3 - PLC or TTL connection
Bridges input	19,2÷48Vdc
Motor OUT	1 (2 Voice-Coil Motors)
Current OUT	15A
Peak current	20A
Current limiter	Fuse + Software limiter
Voltage limiter	Vmin / Vmax voltage comparator
Short circuit	Logic circuit, diode
Reverse polarity	Logic circuit, diode
I ² t	Continuous current
Storage C°	-40 to +85 °C
Operating C°	0 to +55 °C
Humidity	0 to 95%, non condensing
Dimensions	150 x 97.5 x 27 mm
Weight	210 g
Mounting	2x M3 screws or TS 35 DIN rail

SMC2-1AC030 48V, Stepper/Brushless/Voice-Coil motor control

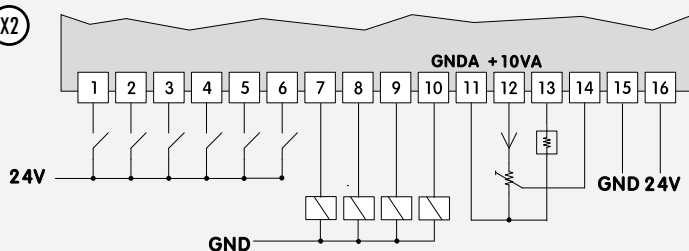


(X1)

POWER		FEEDBACK	
PIN	POWER	PIN	
2,15	+5V (out)	16	HALL_C
1,7,8,12	GND	17	HALL_B
9	+5V_SENSE	18	HALL_A
CASE	SHIELD	25	PTC+
		26	PTC-

ENCODER 0 (MOTOR FEEDBACK)			ENCODER 1		
PIN	TTL SING.	TTL DIFF.	PIN	TTL SING.	TTL DIFF.
4		#SA	3	N.C.	N.C.
5	SA	SA	10		#SA
6	N.C.	N.C.	11	SA	SA
13		#SB	19	SC	SC
14	SB	SB	20		#SC
23	SC	SC	21	SB	SB
24		#SC	22		#SB

(X2)



(X3)

