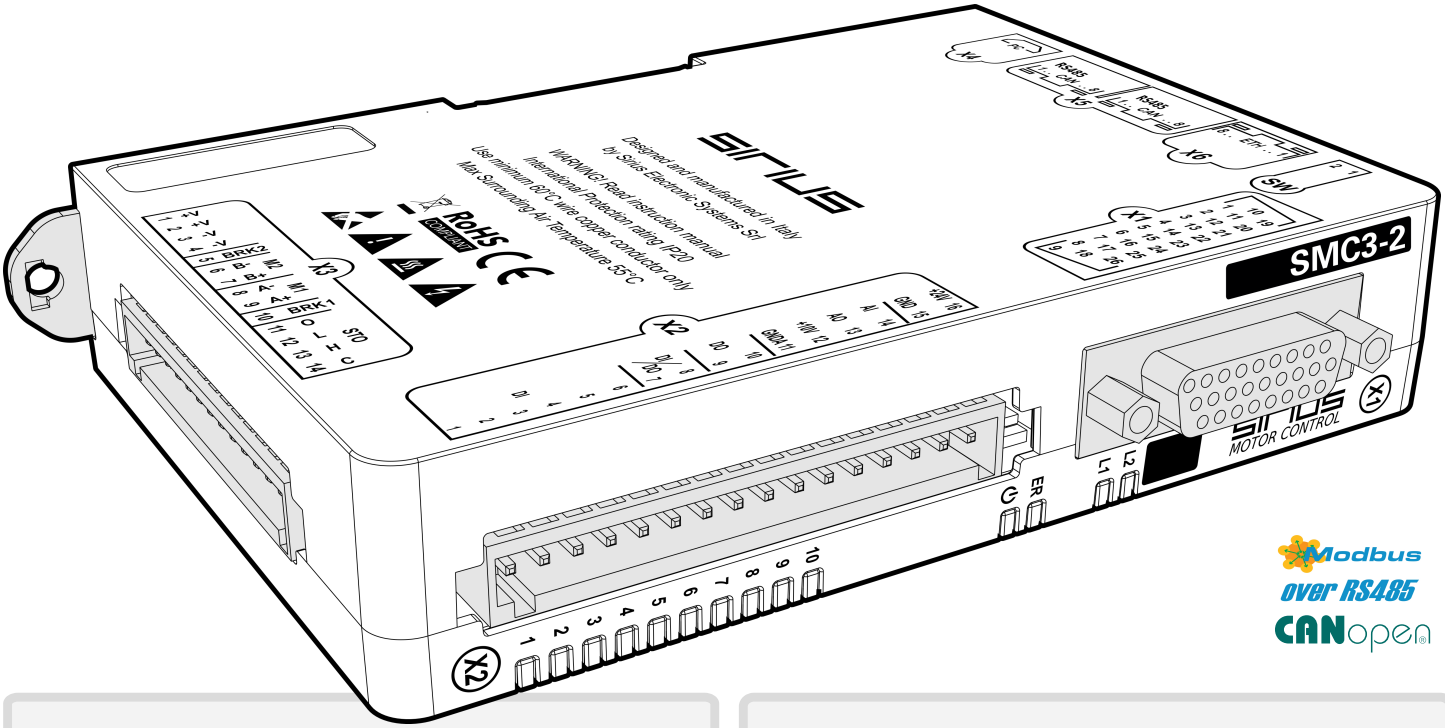


Features

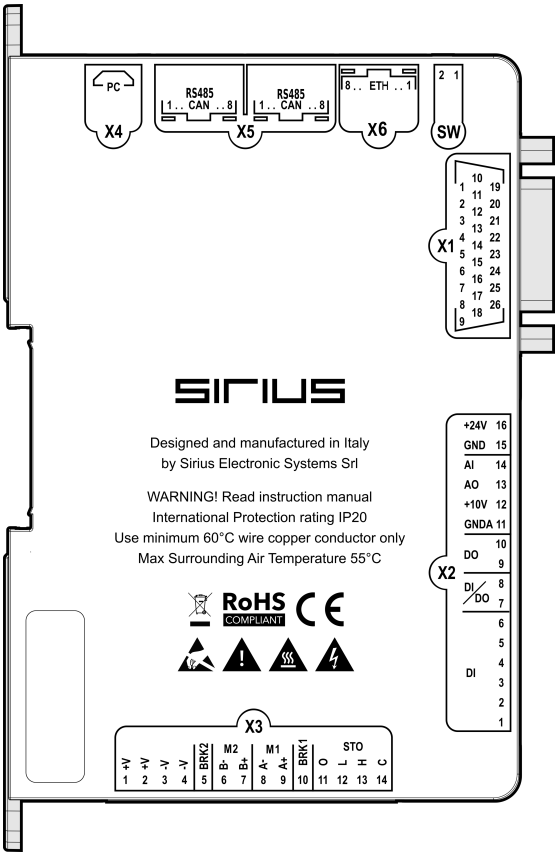
- Industrial grade double motor driver powered up to 24Vdc and 24V logic
- 21A continuous and 30A peak output. Current is limited internally to prevent any damage
- Communicates with any industrial computer board or PLC via Modbus over RS485
- Drives any motor using feedbacks provided by TTL encoders
- 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

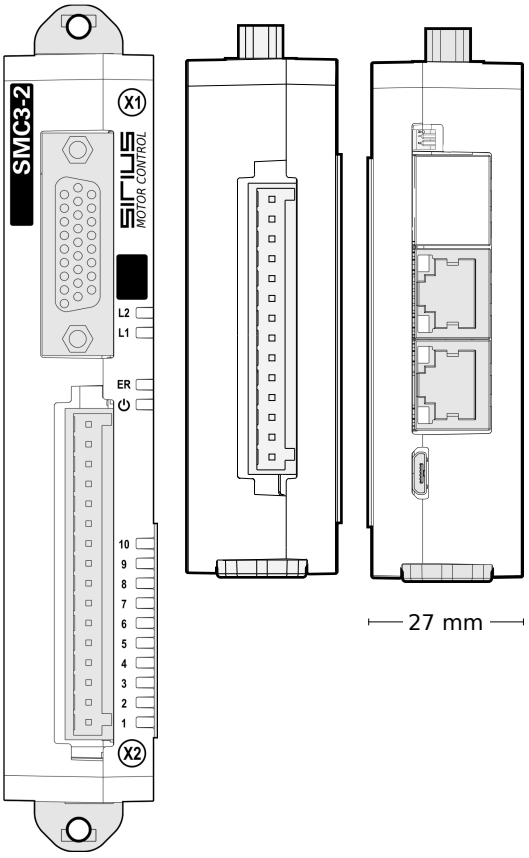
Tech Specs

Logic supply	24Vdc ± 20%
Digital IN	Up to 8 @ 24V 10mA (4.7us RC)
Digital OUT	Up to 4 @ 24V 600mA PNP
Encoder IN	2
Analog OUT	1 @ 0-10V (12 bit resolution)
PT100 IN	2
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÷24Vdc
Motor OUT	2 DC Motors
Current OUT	21A
Peak current	30A
Current limiter	Hardware + Software limiter
Voltage limiter	Vmin / Vmax voltage comparator
Short circuit	Logic circuit, diode
Reverse polarity	Logic circuit, diode
I^2t	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
Heatisink	Finned

SMC3-2ED002 24V, double DC Motor control , CANopen®

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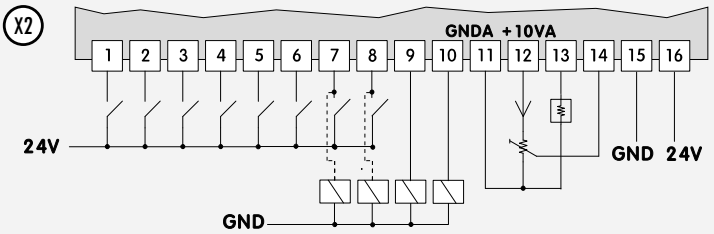




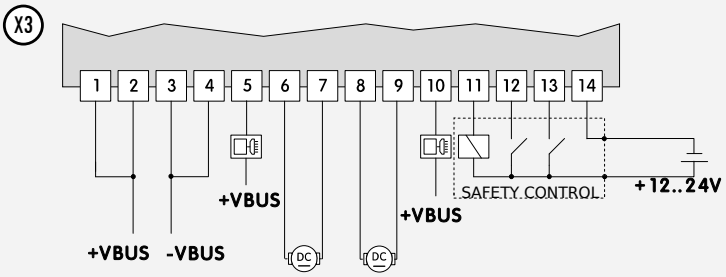
X1

POWER		FEEDBACK 1		FEEDBACK 2	
PIN	POWER	PIN		PIN	
6,12	GND	16	SC (24Vdc)	7	SC (24Vdc)
3,15	+5V(out)	17	SB (24Vdc)	8	SB (24Vdc)
CASE	SHIELD	18	SA (24Vdc)	9	SA (24Vdc)
		25	PTC1+	1	PTC2+
		26	PTC1-	2	PTC2-

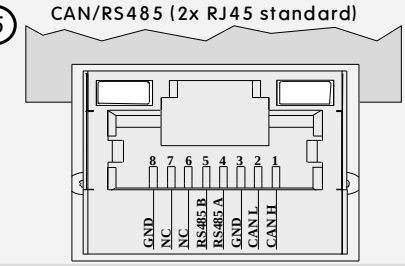
X2



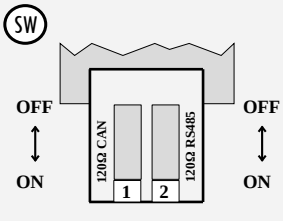
X3



X5



SW



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