



S4

4-shutter module · PoE

Four shutters or curtains with position control and eight push-buttons. Mains or PoE powered, Ethernet and WiFi.

4

SHUTTERS

8

INPUTS

PoE

802.3AF

0-100 %

POSITION

PART NUMBER **S-SE004**FAMILY **Shutters**FIRMWARE **4.3.14**

Datasheet S-SE004

SHUTTER OUTPUTS

Count	4 shutters (8 relays in interlocked up / down pairs)
Rated current per output	5 A at 250 VAC (motor $\approx$ 1100 W); 5 A at 30 VDC
Motor load	4 FLA / 4 LRA at 277 VAC. Larger motors: use a contactor.
Electrical life	50,000 operations at 5 A
Coil-contact isolation	4000 Vrms
Connection	L · N motor supply terminal + 4 pluggable 3-pole terminals: S1 ↓ · C (motor neutral) · S2 ↑, 5.08 mm pitch, 15 A
Position	0-100 % by travel time, with calibration. Direction reversal in software.
Safety	Never drives both directions at once. Pause on reversal.

INPUTS

Count	8 (IN1-IN8)
Type	Opto-isolated (3750 Vrms), one per channel, for a push-button or volt-free contact.
AC / DC selector	4-pin header on the board: 1 GND DC · 2 DC · 3 AC · 4 N. Jumper on 3-4 = AC (factory); jumper on 1-2 = DC.
AC mode	Contact between L and INx at 230 V AC. N on the AC IN terminal is required. Fully supported.
DC mode	External 12-24 V DC supply: + → contact → INx, – to GND DC. Beta.
PoE only	PoE does not power the inputs: with nothing on AC IN or GND DC they never trigger.
Gestures	Single, double, triple and long press, each with its own action. Debounce and timings configurable.
Connection	GND DC + 8 inputs, pluggable terminal, 3.81 mm pitch.

POWER SUPPLY

Option 1 · Mains (main)	100-240 VAC, 50/60 Hz, AC IN terminal (PE · N · L). Internal fuse and varistor.
Option 2 · PoE	IEEE 802.3af over the network cable (class 0). Powers the module, not the inputs.
Isolation	Mains-logic 2500 VAC; PoE 1500 Vpk
Motor supply	230 V AC on the bottom L · N terminal: L to the relays, N to the C terminal of every shutter
Consumption	$\approx$ 1 W idle; $\approx$ 5.5 W with the 4 shutters moving · calculated

COMMUNICATIONS

Ethernet	10/100 Mbps, RJ45
WiFi	2.4 GHz 802.11 b/g/n, external antenna. Automatic Ethernet → WiFi failover
Commissioning	Own WiFi access point with captive configuration portal. No app required.
KNX	KNXnet/IP routing and tunnelling; objects per channel; CSV and .knxproj export for ETS
Modbus TCP	Server, port 502, up to 2 clients, published register map
Matter	Yes (bridge, one endpoint per channel): Apple Home, Google Home, Amazon Alexa
Local API	HTTP REST + local automations (event → URL) with conditions
Drivers	Savant, Crestron Home, RTI, Vantage, URC
Updates	OTA over the internet (stable and beta channels) or local file, no cloud

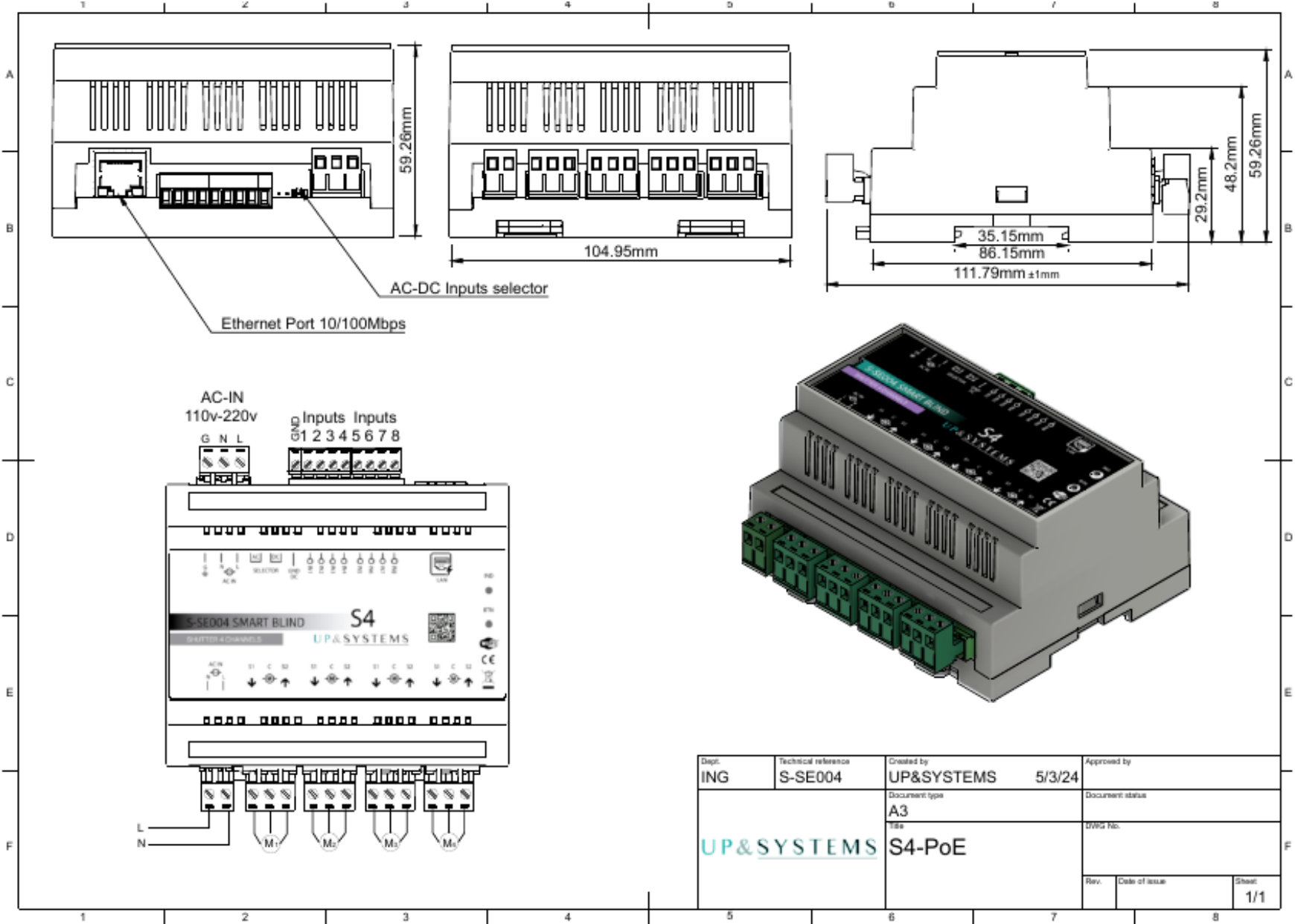
MECHANICAL AND ENVIRONMENT

Format	35 mm DIN rail, 6 modules
Dimensions	105.6 × 112.2 × 57.9 mm (W × H × D, terminals included)
Weight	$\approx$ 295 g · estimated
Protection	IP20 (indoor, in enclosure)

Operating temperature	0 to +50 °C
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STANDARDS

CE marking	CE. EU declaration of conformity in preparation.
Directives	LVD 2014/35/EU, EMC 2014/30/EU, RED 2014/53/EU, RoHS 2011/65/EU
KNX / Matter	Compatible. Not certified by KNX Association or CSA.
Warranty	2 years



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