

# SH1

Power and Cable Management Track

## Installation Guide



### ! PLEASE READ BEFORE INSTALLING

**INSTALLING PARTY**  
All Power Tracks must be installed by a qualified electrician.

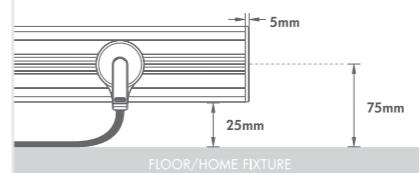
**USE OF EARTH LEAKAGE CIRCUIT BREAKER (ELCB)**  
It is a mandatory requirement that all installations of electrical power source must be connected to an ELCB to provide protection against overload, short circuits and earth leakages faults. Failure to comply can be hazardous.

**INSTALLATION LOCATION**  
All Power Tracks must be installed at location that complies with safety rules and regulations of respective country.

**INSTALLATION SURFACE**  
All Power Tracks must be installed on flat surface.

**RECOMMENDED INSTALLATION CLEARANCE**  
Refer to FIG.1 on the right for more information on the minimum clearance (from the floor or any furniture fixtures) required for 'twist-on' adaptors and accessories.

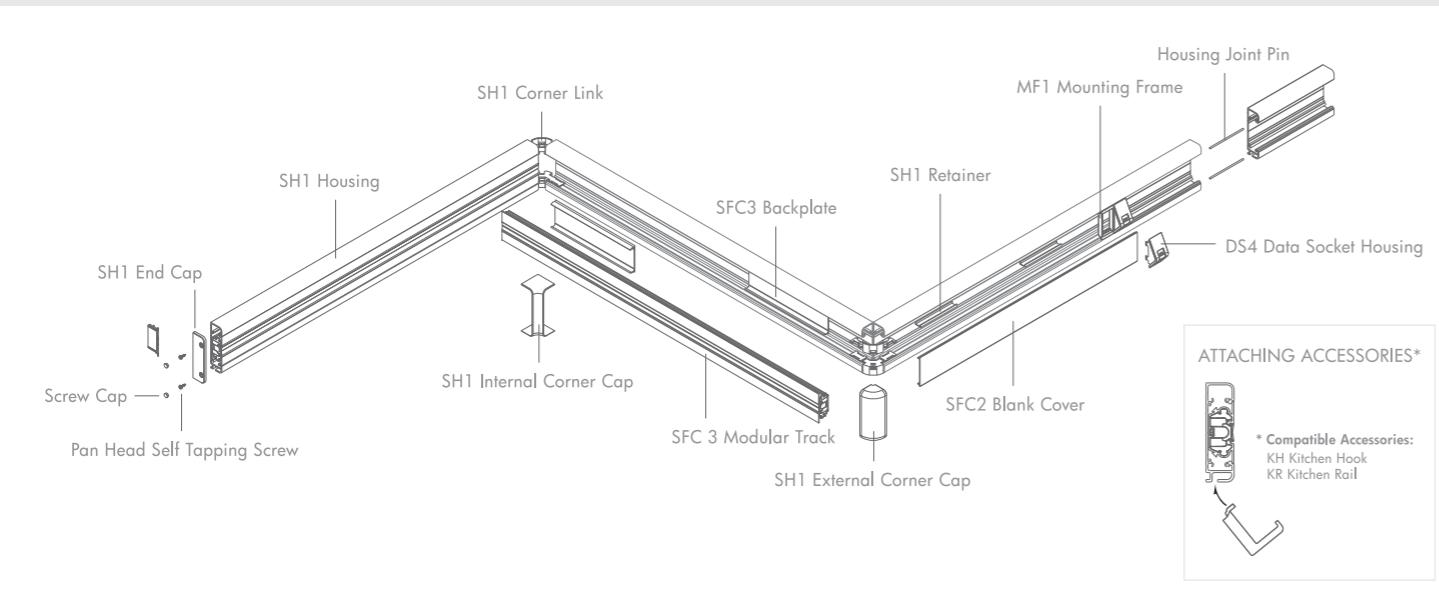
**FIG. 1 Minimum Clearance for SH1 Installation**  
Minimum clearance of 25mm from the bottom required.



### Technical Specification

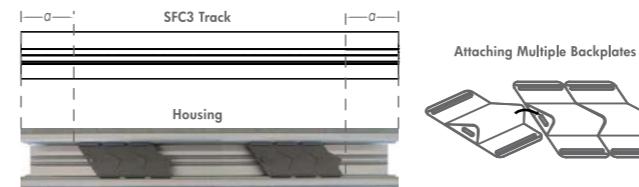
Rated Voltage	: 250V a.c. Single-phase
Rated Current	: 40Amp maximum
Frequency	: 50Hz / 60Hz
Conditional Short Circuit Rating	: (MCB: In:40A Ue:400V), Type B (BS EN 60898-1) Prospective current: 6KA (BS EN 60439-2)
Rated Impulse Withstand Voltage	: 4000V a.c.
Terminal Connecting Capacity (Live, Neutral and Earth)	: 4mm <sup>2</sup> to 10mm <sup>2</sup>
Ambient Operating Temperature	: -5°C to +40°C (not to an average of more than 35°C in any 24 hours period)
Maximum Installation Altitude	: 2000 metres
Degree of Protection	: IP4X
Degree of Pollution	: 2 (Non-conductive pollution with temporary conductivity caused by condensation)
Track and Housing Material	: Aluminium
Insulation Material	: Polycarbonate

### Product Overview



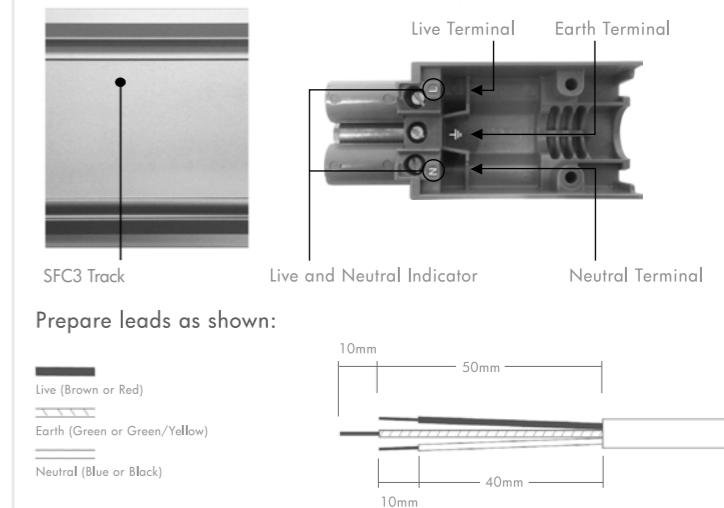
### ! Backplate Guide

SFC3 Track Length	Quantity (Pcs)	$\alpha$ (mm)	Arrangement
< 400mm	3	-	3
400 - 600mm	4	100mm	2-2
601 - 1100mm	6	160mm	3-3
1101 - 1500mm	9	160mm	3-3-3
1501 - 2500mm	12	160mm	3-3-3-3
2501 - 3300mm	15	160mm	3-3-3-3-3



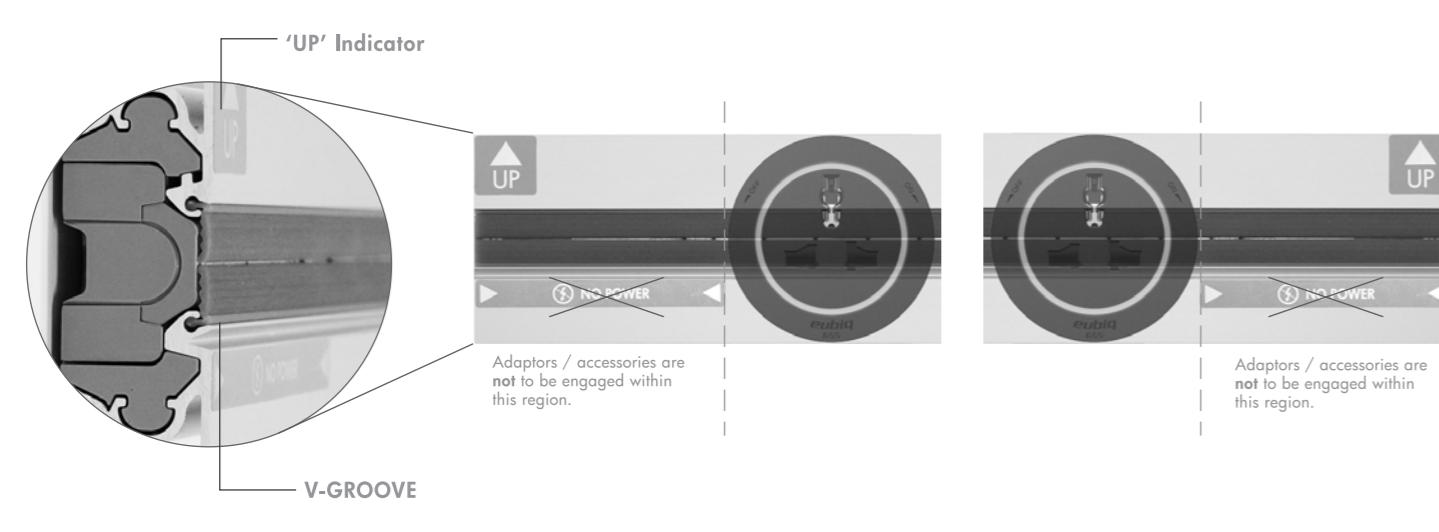
\*Where  $\alpha$  is the length between the edge of the SFC3 Track to the outermost edge of the backplate.

### Wiring Instructions

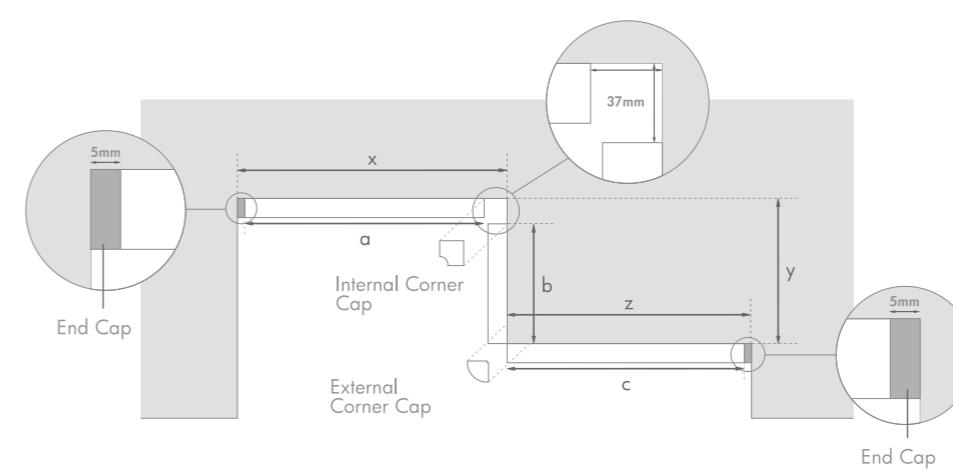


- 1) Do not use in damp environment.
- 2) If in doubt, please consult a qualified electrician.

### Product Orientation



### ! Measurement Guide



DESCRIPTION	x	a	y	b	z	c
Overall Wall Length						

Width of end cap = 5mm  
For internal corner joint: Width of gap = 37mm

MEASUREMENT GUIDE	SH1 Housing Length	Formula
a	$(x - 37 - 5)\text{mm}$	
b	$(y - 37)\text{mm}$	
c	$(z - 5)\text{mm}$	

## Installation

### A. MOUNTING SH1 HOUSING



Mark out the positions of cable entry and mounting openings on drill lines provided on the back of the housing. FIG. A shows the positions of cable entry and mounting openings.

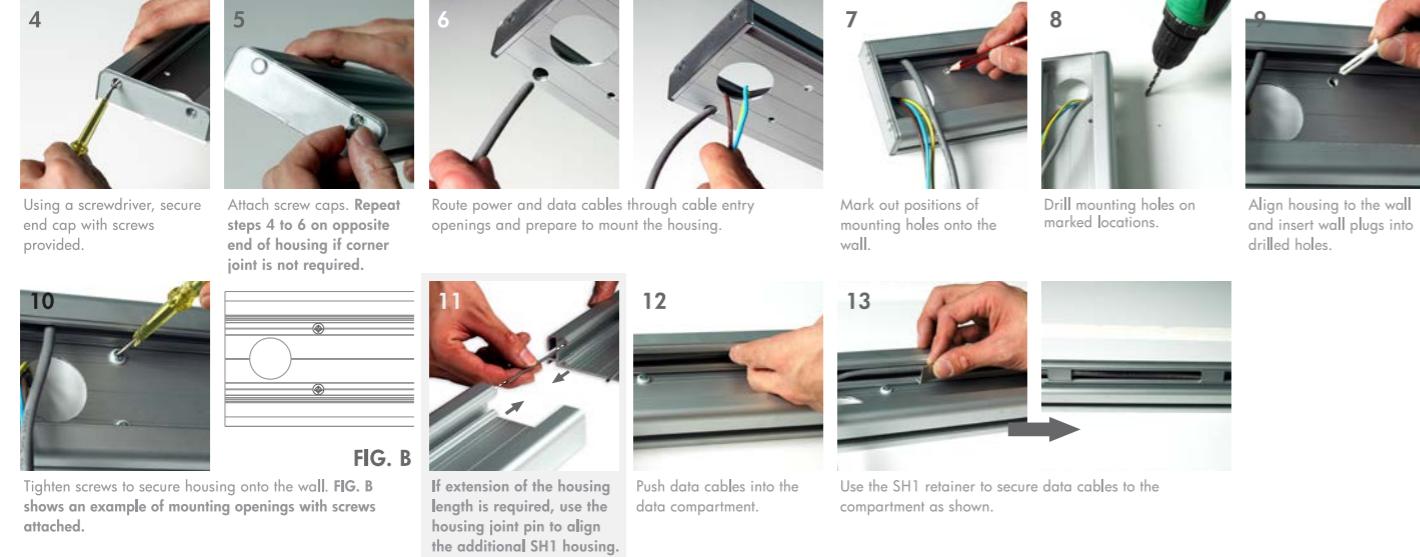
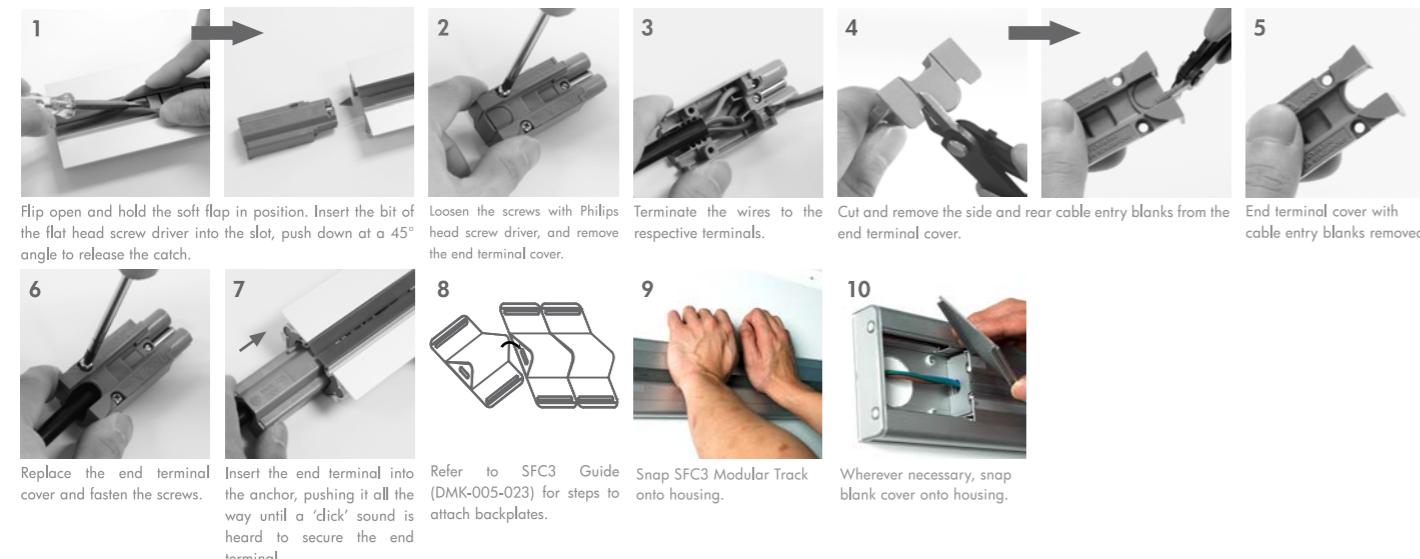


FIG. B

Tighten screws to secure housing onto the wall. FIG. B shows an example of mounting openings with screws attached.

### B. INSTALLING SFC3 MODULAR TRACK SIDE TERMINATION

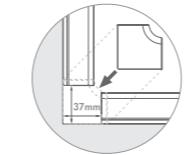


### C. INSTALLING DATA POINT

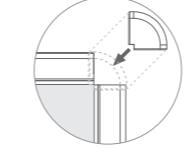


## Installation of Corner Joints

### INTERNAL CORNER JOINT



### EXTERNAL CORNER JOINT



Remove the top cover of the internal/external corner cap before attaching to housing. Refer to (a) and (b) on the right for instructions on removing the top cover.

### REMOVAL OF CORNER CAP TOP COVER FOR INSTALLATION OF SH1 UNDER CABINET OR FURNITURE FIXTURE

(a) Removing the top cover of internal corner cap

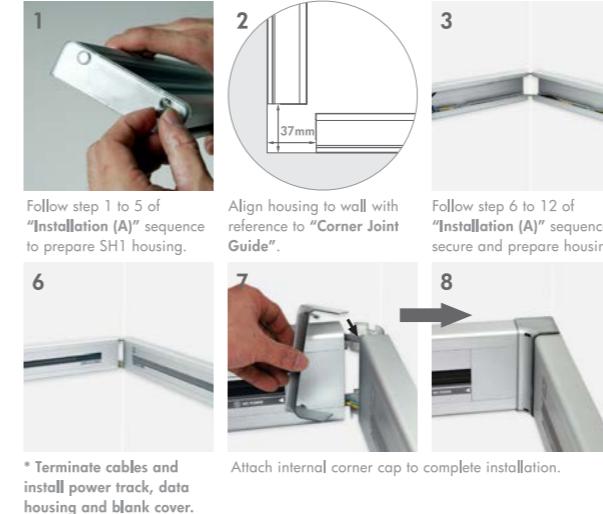


(b) Removing the top cover of external corner cap



For installation of internal and external corner joints, refer to "Corner Joint Installation".

### A. INSTALLING INTERNAL CORNER JOINT



\* For side termination of SFC3 Modular Track, refer to "Installation (B)". For installation of data points, refer to "Installation (C)".

### B. INSTALLING EXTERNAL CORNER JOINT



\* For side termination of SFC3 Modular Track, refer to "Installation (B)". For installation of data points, refer to "Installation (C)".