



SH1

Power and Cable Management Track

Installation Guide

CAUTION

Keep away from fire.

Keep away from water.

Not for outdoor use.

To be installed by a qualified electrician/installer.

PLEASE READ BEFORE INSTALLING

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

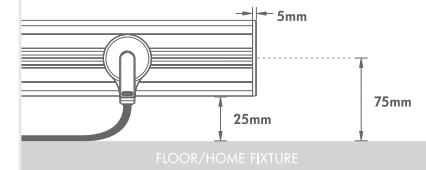
USE OF EARTH LEAKAGE CIRCUIT BREAKER (ELCB)
It is a mandatory requirement that all installations of electrical power source must be connected to an ELCB to provide protection against overload, short circuits and earth leakages faults. Failure to comply can be hazardous.

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.

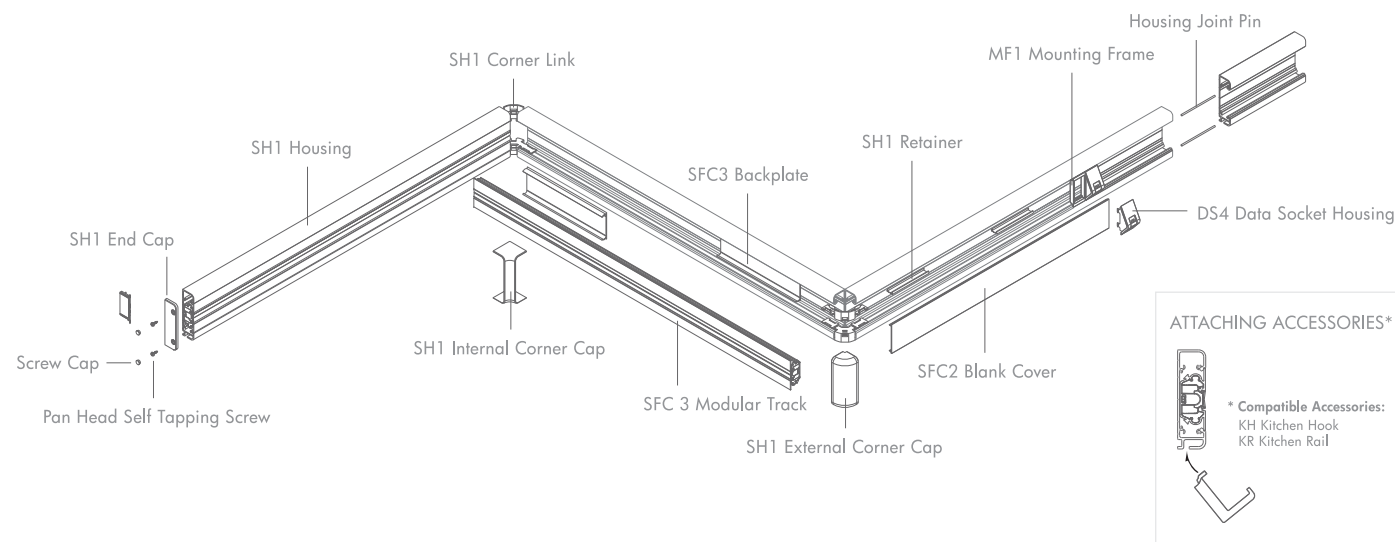
FIG. 1 Minimum Clearance for SH1 Installation
Minimum clearance of 25mm from the bottom required.



Technical Specification

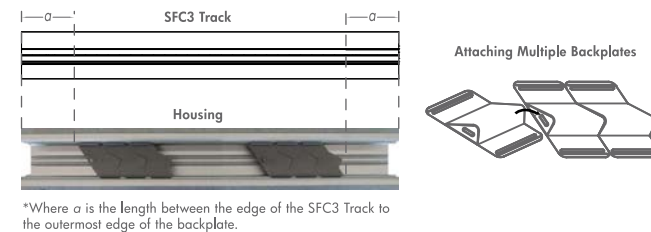
Rated Voltage	: 250V a.c. Single-phase
Rated Current	: 40Amp maximum
Frequency	: 50Hz / 60Hz
Conditional Short Circuit Rating	: (MCB: In:40A Ue:400V), Type B (BS EN 60898-1) Prospective current: 6KA (BS EN 60439-2)
Rated Impulse Withstand Voltage	: 4000V a.c.
Terminal Connecting Capacity (Live, Neutral and Earth)	: 4mm ² to 10mm ²
Ambient Operating Temperature exceed	: -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

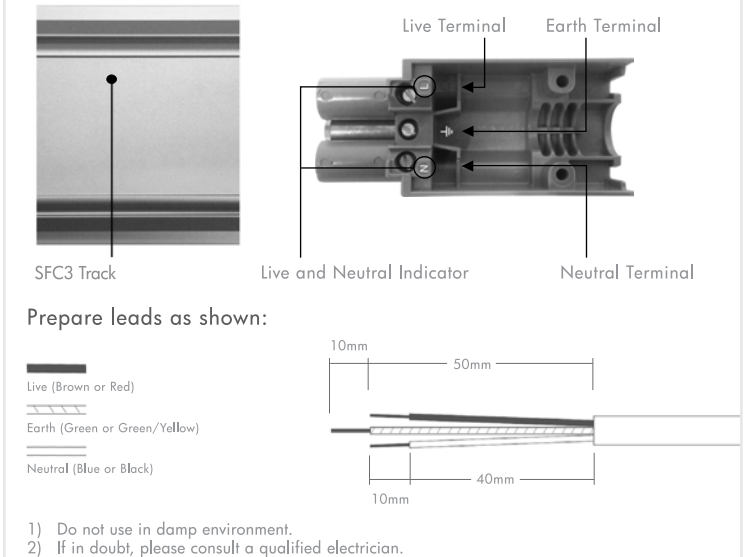


Backplate Guide

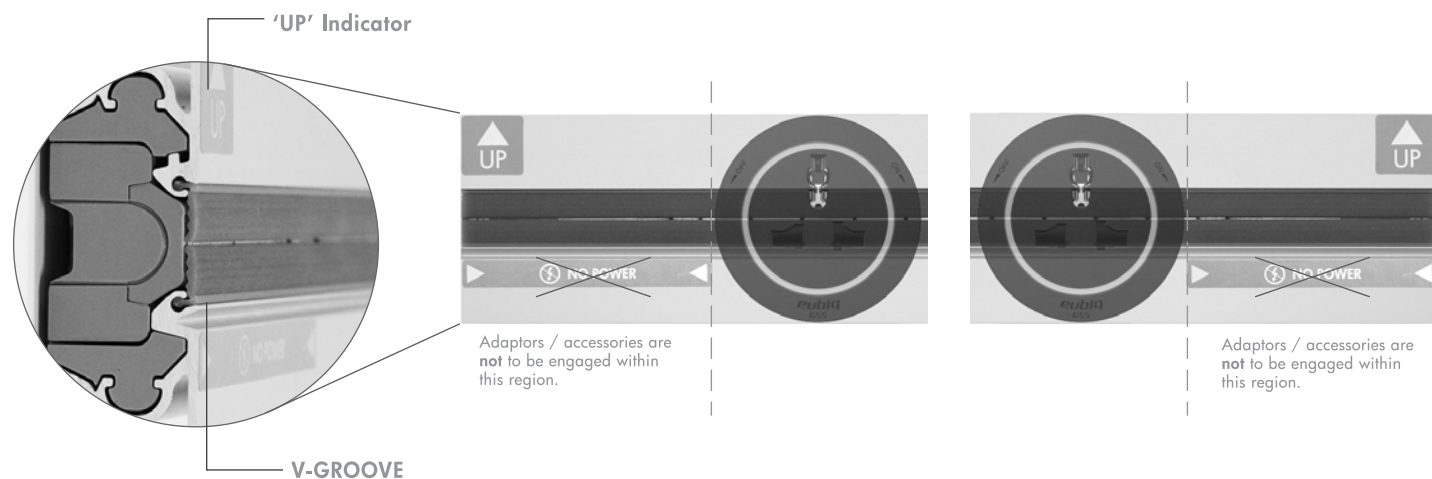
SFC3 Track Length	Quantity (Pcs)	a (mm)	Arrangement
< 400mm	3	-	3
400 - 600mm	4	100mm	2-2
601 - 1100mm	6	160mm	3-3
1101 - 1500mm	9	160mm	3-3-3
1501 - 2500mm	12	160mm	3-3-3-3
2501 - 3300mm	15	160mm	3-3-3-3-3



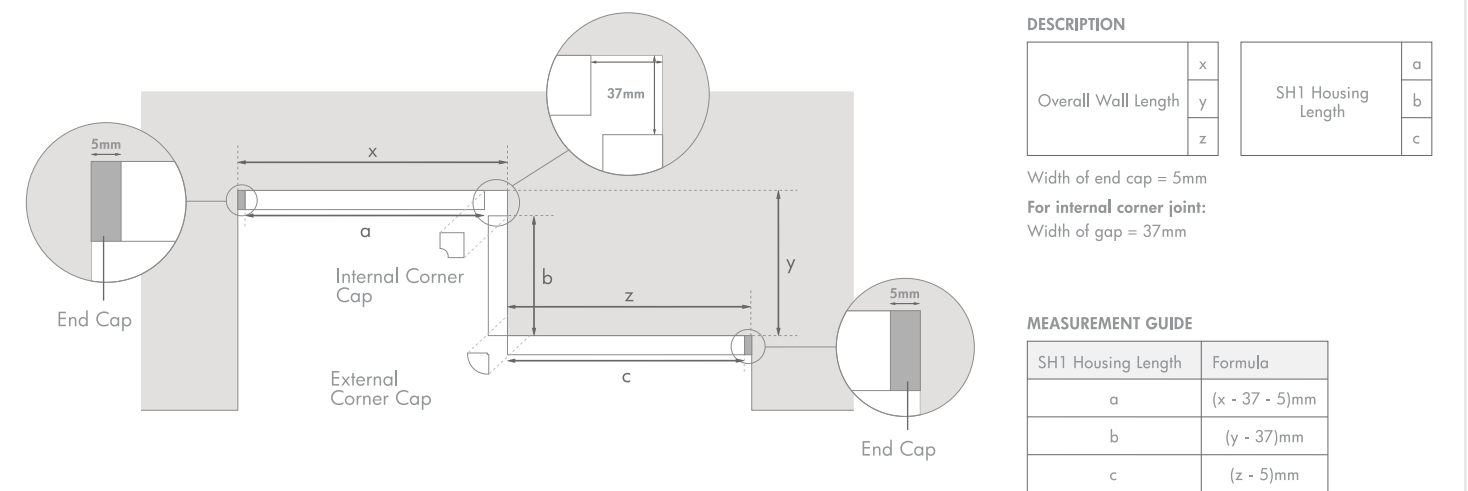
Wiring Instructions



Product Orientation












Measurement Guide







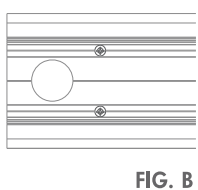
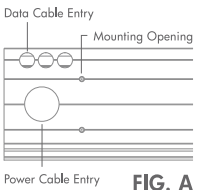
Installation

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.

Drill holes at marked locations for cable entry and mounting openings. Use a hole saw for the power cable entry holes.

Attach end cap to housing.

Using a screwdriver, secure end cap with screws provided.

Attach screw caps. Repeat steps 4 to 6 on opposite end of housing if corner joint is not required.

Route power and data cables through cable entry openings and prepare to mount the housing.

Mark out positions of mounting holes onto the wall.

Drill mounting holes on marked locations.

Align housing to the wall and insert wall plugs into drilled holes.


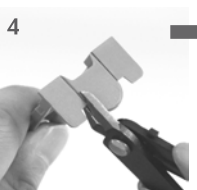


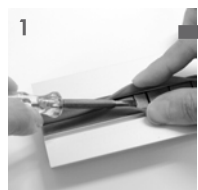
Tighten screws to secure housing onto the wall. FIG. B shows an example of mounting openings with screws attached.



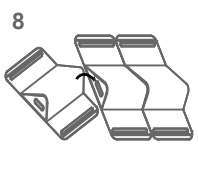


If extension of the housing length is required, use the housing joint pin to align the additional SH1 housing.

Push data cables into the data compartment.

Use the SH1 retainer to secure data cables to the compartment as shown.

B. INSTALLING SFC3 MODULAR TRACK SIDE TERMINATION





Flip open and hold the soft flap in position. Insert the bit of the flat head screw driver into the slot, push down at a 45° angle to release the catch.

Loosen the screws with Philips head screw driver, and remove the end terminal cover.

Terminate the wires to the respective terminals.

Cut and remove the side and rear cable entry blanks from the end terminal cover.

End terminal cover with cable entry blanks removed.

Replace the end terminal cover and fasten the screws.







Insert the end terminal into the anchor, pushing it all the way until a 'click' sound is heard to secure the end terminal.

Refer to SFC3 Guide (DMK-005-023) for steps to attach backplates.

Snap SFC3 Modular Track onto housing.

Wherever necessary, snap blank cover onto housing.

C. INSTALLING DATA POINT



Route data cable through mounting frame.

Snap mounting frame onto housing.

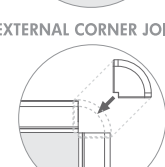
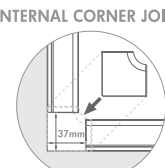
Wherever necessary, snap blank cover onto housing.

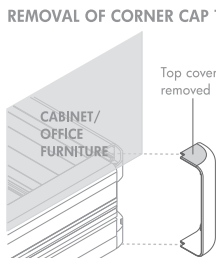
Terminate data cable to data jack.

Attach data jack to DS4 data housing with reference to DS4 User Guide (DMK-006-010).

Snap data housing onto mounting frame.

Installation of Corner Joints






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


Top cover to be removed

CABINET/OFFICE FURNITURE

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.






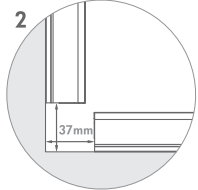

(a) Removing the top cover of internal corner cap






(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





Follow step 1 to 5 of "Installation (A)" sequence to prepare SH1 housing.

Align housing to wall with reference to "Corner Joint Guide".

Follow step 6 to 12 of "Installation (A)" sequence to secure and prepare housing.

Attach corner link onto bottom of housing as shown.

Attach corner link onto top of housing as shown.

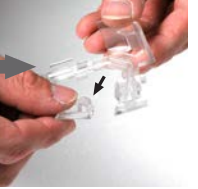

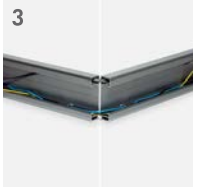
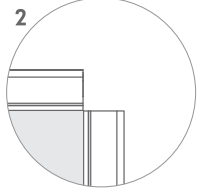

* Terminate cables and install power track, data housing and blank cover.




Attach internal corner cap to complete installation.

* 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





Follow step 1 to 5 of "Installation (A)" sequence to prepare SH1 housing.

Align housing to wall with reference to "Corner Joint Guide".

Follow step 6 to 12 of "Installation (A)" sequence to secure and prepare housing.

Break and remove inner latch on corner link as shown.

Attach corner link onto bottom of housing as shown.

Attach corner link onto top of housing as shown.

* Terminate cables and install power track, data housing and blank cover.

Attach external corner cap to complete installation.

* For side termination of SFC3 Modular Track, refer to "Installation (B)"

For installation of data points, refer to "Installation (C)".

Kindly visit our website at www.eubiq.com for product warranty information.

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