



Technical Submission

Project	Sunlight House, Manchester	Project Ref.	1394
Tech Sub Ref.	TS-E- 1016	Issued By	Paul Moss
Date	09/07/2024	Authorised By	David Wilson

Technical Submission	Enter title of Tech Sub	
SPECIFICATION COMPLIANCE	✓	In compliance with 4084-KIN-XX-XX-SP-E-001-T4
DEROGATIONS		
CALCULATIONS PROVIDED		
<p>This technical submission has been issued by G&H Building Services Ltd for the approval of Legrand Electrack underfloor bus bar</p> <p>Electrak 25 Powertrack (Low noise / Clean earth) Access floor pre wired service outlet box (85mm Deep) Floor Grommets Floor grommet sockets</p>		

Information Required From	Myco
Latest Date Required	23/07/2024

Acceptance/Refusal			
STATUS A	STATUS B	STATUS C	

Response From	
Response Date	

Electrak® 25 powertrack / underfloor busbar system

low noise / clean earth system (green)



 Selection charts **p. 8-9**
Dimensions and technical information **p. 18-23**

Approved to ISO 9001
Conforms to BS EN 61534-22. Fully complies with the requirements of BS 7671
A compact system that can be installed in floor voids as low as 48 mm

Pack	Cat. Nos.	Track system components
		Electrak 25 low noise / clean earth track lengths
		Track lengths fit together using the integral connectors on each length Track lengths should always be secured using the integral floor fixing brackets 300 mm socket centres
1	JA2123	1.2 m, 4 outlets, 2 floor fixing brackets
1	JA2183	1.8 m, 6 outlets, 2 floor fixing brackets
1	JA2243	2.4 m, 8 outlets, 2 floor fixing brackets
1	JA2363	3.6 m, 12 outlets, 3 floor fixing brackets
		Track feed unit
1	JF2010	With one 25 mm diameter hole suitable for MICC, armoured cables or single core cables in conduit
		Flexible interlinks
		Can be used to overcome obstructions or as corners where required
1	JW2000	Excluding cables and conduit
1	JW2010	1.2 m flexible metal conduit
1	JW2020	2.4 m flexible metal conduit
		Special fixing brackets
		Required when track is raised off surface level Brackets raise track by 21 mm and should be spaced 600 mm apart
1	DZ1210	For fitting under track body and track feed
1	DZ1230	For fitting under integral track connectors

Pack	Cat. Nos.	Tap-off units
		Tap-off length is determined by the cable and not the conduit length, e.g. a 3 m tap-off has 3 m of cable and 2.6 m of flexible metal conduit ¹ Tap-off units in excess of 3 m should only be used if they contain a fuse or if the powertrack is protected by a protective device not exceeding 32 A
		32 A unfused - 543-7 high integrity
		16 mm Ø, CE, L, N, PE
1	JP2332	3 m
1	JP2532	5 m
		13 A fused - 543-7 high integrity
		16 mm Ø, CE, L, N, PE
1	JP2327	3 m
1	JP2527	5 m
		13 A fused
		16 mm Ø, CE, L, N, PE
1	JP2313	3 m
1	JP2513	5 m

¹ : Tap-offs are supplied as standard with flexible metal conduit
For alternative wiring solutions, contact us on +44 (0) 370 608 9020

access floor pre-wired service outlet boxes

3 and 4 compartment



CR100



CR122



Selection chart **p. 28-29**

Dimensions and technical information **p. 33**

Electrak floor boxes can be supplied pre-wired to powertrack tap-offs with any variation of sockets, tap-offs, depth or other configuration

Pack Cat. Nos. **3 compartment pre-wired boxes with 1 x TSSO**

Pack	Cat. Nos.	100 mm compartment widths
1	CR100	Single base – 85 mm depth, pre-wired with :
1	CR101	3 m Electrak 24 standard tap-off Cat. No. DP1332
1	CR110	5 m Electrak 24 standard tap-off Cat. No. DP1532
1	CR111	3 m Electrak 25 low noise / clean earth tap-off Cat. No. JP2332
1	CR111	5 m Electrak 25 low noise / clean earth tap-off Cat. No. JP2532
1	CR104	3 m Electrak 28 auxiliary earth tap-off Cat. No. YP5332
1	CR105	5 m Electrak 28 auxiliary earth tap-off Cat. No. YP5532

Pack Cat. Nos. **3 compartment pre-wired boxes with 2 x TSSO**

Pack	Cat. Nos.	100 mm compartment widths
1	CR102	Single base – 85 mm depth, pre-wired with :
1	CR103	3 m Electrak 24 standard tap-off Cat. No. DP1332
1	CR112	5 m Electrak 24 standard tap-off Cat. No. DP1532
1	CR112	3 m Electrak 25 low noise / clean earth tap-off Cat. No. JP2332
1	CR113	5 m Electrak 25 low noise / clean earth tap-off Cat. No. JP2532
1	CR106	3 m Electrak 28 auxiliary earth tap-off Cat. No. YP5332
1	CR107	5 m Electrak 28 auxiliary earth tap-off Cat. No. YP5532

Pack Cat. Nos. **4 compartment pre-wired boxes with 1 x TSSO**

Pack	Cat. Nos.	75 mm compartment widths
1	CR120	Single base – 85 mm depth, pre-wired with :
1	CR121	3 m Electrak 24 standard tap-off Cat. No. DP1332
1	CR130	5 m Electrak 24 standard tap-off Cat. No. DP1532
1	CR130	3 m Electrak 25 low noise / clean earth tap-off Cat. No. JP2332
1	CR131	5 m Electrak 25 low noise / clean earth tap-off Cat. No. JP2532
1	CR124	3 m Electrak 28 auxiliary earth tap-off Cat. No. YP5332
1	CR125	5 m Electrak 28 auxiliary earth tap-off Cat. No. YP5532

Pack Cat. Nos. **4 compartment pre-wired boxes with 2 x TSSO**

Pack	Cat. Nos.	75 mm compartment widths
1	CR122	Single base – 85 mm depth, pre-wired with :
1	CR123	3 m Electrak 24 standard tap-off Cat. No. DP1332
1	CR132	5 m Electrak 24 standard tap-off Cat. No. DP1532
1	CR132	3 m Electrak 25 low noise / clean earth tap-off Cat. No. JP2332
1	CR133	5 m Electrak 25 low noise / clean earth tap-off Cat. No. JP2532
1	CR126	3 m Electrak 28 auxiliary earth tap-off Cat. No. YP5332
1	CR127	5 m Electrak 28 auxiliary earth tap-off Cat. No. YP5532

Pre-wired floor boxes can be supplied with RCD 30 mA rather than standard sockets. Add an **R** to the end of the part numbers for a RCD 30 mA version or an **RS** for a RCD 30 mA switched socket version.
TSSO = twin switched socket outlet
For example CR100**R** is a 3 compartment floor box with a twin RCD socket and a DP1332 tap-off



Also available :

- pre-wired boxes with fused tap-offs
- shallow or deep versions
- separate compartment bases

contact us on +44 (0) 370 608 9020



NOTE : Please consult us for different plate options on +44 (0) 370 608 9020. Photos are only illustrative.

floor grommets

access / power and data



EG0010



EG0030



EG0040



EG0045



Dimensions and technical information **p. 37**

Pack	Cat. Nos.	Plastic access grommets	Pack	Cat. Nos.	Plastic power and data grommets
1	EG0010	Quick fit installation Precision engineered from hard wearing durable ABS Grey mouldings. Other colours available to special order Conform to BS EN 61534-22 Simply secured by pushing down the spring-loaded screws and rotating a quarter turn Recommended for use in light traffic areas Avoid positioning in walkways or under static loads 144 mm Ø – cut-out size 127 mm Ø Can accomodate all cable types or three metal conduits up to a 20 mm Ø or 25 mm without foam	1	EG0040	169 mm Ø – cut-out size 152 mm Ø Quick fit installation Precision engineered from hard wearing durable ABS Grey mouldings. Other colours available to special order. Conform to BS EN 61534-22 Removable carpet recess Cable flap feature so grommet lid can be closed while in use Simply secured by pushing down the spring-loaded screws and rotating a quarter turn Recommended for use in light traffic areas Avoid positioning in walkways or under static loads For information on knockout sizes p. 37 13 A power grommet Supplied complete with 13 A unswitched socket
1	EG0030	169 mm Ø – cut-out size 152 mm Ø Allows power, data and flexible conduit up to 32 mm to pass through raised access floor Lid can be locked with screw (included) Maximum number of conduits : 9 x 20 mm Ø 5 x 25 mm Ø 3 x 32 mm Ø	1	EG0045	RCD 30 mA switched socket power grommet Supplied complete with 13 A RCD 30 mA switched socket passive
1	EG0055	232 mm Ø – cut-out size 215 mm Ø High capacity grommet Recommended for installation in light traffic areas Maximum number of conduits : 18 x 20 mm Ø 10 x 25 mm Ø 6 x 32 mm Ø	1	EG0051	13 A power/data grommet Supplied complete with 13 A socket and 1 x 37 x 22 mm cut-out
		Aluminium access grommet Body – cast aluminium Lid – injection moulded plastic Nylon 66 with neoprene cable gasket Secured by quarter-turn fasteners Floor depth 25 to 55 mm Access grommet depth 60 mm (95 mm when back box included) 144 mm Ø – cut-out size 127 mm Ø Allows power, data and flexible conduit up to 25 mm to pass through raised access floor	1	EG0052	Data grommet Supplied complete with data plate 2 x 37 x 22 mm cut-out No knockout Cleaners floor grommets 169 mm Ø EG0053 Non-standard 5 A socket EG0035 Single switched socket
		Aluminium power grommet For information on knockout sizes p. 37 13 A power grommet Supplied complete with 13 A switched socket	1	EG0041	Pre-wired power grommets Recommended for use in light traffic areas For information on knockout sizes p. 37 169 mm Ø – cut-out size 152 mm Ø Cleaners socket version DP1332 - 3 m unfused DP1532 - 5 m unfused DP1313 - 3 m 13 A fused DP1513 - 5 m 13 A fused RCD 30 mA switched socket version DP1332 - 3 m unfused DP1532 - 5 m unfused DP1313 - 3 m 13 A fused DP1513 - 5 m 13 A fused



Please consult us for IP 66 assembled fixed or hinged lid grommets with power and data sockets
contact us on +44 (0) 370 608 9020

