

## Features and Benefits

The 1U Multi-Function Fibre Enclosure is a configurable rack mount unit for storing and terminating incoming fibre cable. The fibre enclosure has been designed to accommodate various termination types and adapter configurations. The floor of the enclosure is constructed to allow maximum flexibility in routing fibres. Constructed with a ball bearing slide mechanism allows ease of access to fibres. The interchangeable front plate facilitates upgrades as required. The enclosure has an optional front locking kit and a optional front cable management to securely route patch cords

- Accommodates up to 4 ModLink Quick Connect Cassettes which allows 12-24 fibre connections per cassette with various interfacing adapters
- Accommodates up to 4 Modular Splice Cassettes which allows 6-24 fibre connections per cassette. The cassettes allow for splice termination while protecting individual fibres
- Compatible with preloaded FMP 3 style adapter plates in various fibre counts and adapter configurations.
- Self-Adhesive fibre management hub is stackable and can be segmented providing individualisation of fibre routing
- Optional 24 fibre splice tray available to maximise port capacity while providing fibre management for excess fibre.
- Optional front cable management allows for secure routing of patch cords can be retrofitted.
- Optional locking kits provides security with its over-locking curved cam lock by locking into the top of the enclosure. The hinged top allow easy moves, adds and changes. Like the front cable management it can be retrofitted
- Compatible with Molex's 6 Pak Adapter plate program that allows 6-24 fibre connections per plate, 72 Fibre MTP connections and 3 DataGate Copper/Synergy connections per plate.
- Incorporates heavy duty ball bearing slides for smooth and limited extension of the drawer, allowing access.
- Rugged steel construction in graphite finish

## Technical Information

### Mechanical Characteristics

Material: Powder Coated Mild Steel

Fibre Termination Options: Direct, Fusion Splice, Mechanical Splice, Pre-Terminated MTP

Dimensions: 482mm W x 270mm D x 43mm H

Shipping Weight: 3.84Kg



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Order No.	SAP No.	Description
RFR-00311	180370276	1U Multi-Function Fibre Enclosure
<b>Optional Enhancements</b>		
RFR-00312	180370278	Locking Front Assembly for 1U Multi-Function Fibre Enclosure
AFR-00471	180600218	Front Cable Management Extension for 1U Multi-Function Fibre Enclosure
AFR-00469	180600216	Blank Plate for 1U Multi-Function Fibre Enclosure
<b>Replacement Components</b>		
AFR-00470	180600217	Universal Splice Tray, 24 Fibre with built in Cable Management for 1U Multi-Function Fibre Enclosure
AFR-00472	180600219	Self Adhesive Cable Management Hub
AFR-00473	180600220	Cable Gland
AFR-00474	180600221	Replacement Rubber Cable Grommets
AFR-00475	180600222	Replacement Strength Member Tie Down Posts
<b>RFR-00311 Specific Loaded Adapter Plates</b>		
AFR-00452-BL	180600187	SC Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, unshuttered, Singlemode - Blue
AFR-00452-GR	180600188	SC Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, unshuttered, Singlemode - Green
AFR-00453-OL	180600189	SC Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, unshuttered, Multimode - Beige
AFR-00453-AQ	180600190	SC Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, unshuttered, Multimode - Aqua
AFR-00453-EV	180600312	SC Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, unshuttered, Multimode OM4 - Erica Violet
AFR-00454-BL	180600191	LC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, unshuttered, Singlemode - Blue
AFR-00454-GR	180600192	LC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, unshuttered, Singlemode - Green
AFR-00455-OL	180600193	LC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, unshuttered, Multimode - Beige
AFR-00455-AQ	180600194	LC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Aqua
AFR-00455-EV	180600311	LC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode OM4 - Erica Violet
AFR-00456-BL	180600195	SC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode - Blue
AFR-00456-GR	180600196	SC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode - Green
AFR-00457-OL	180600197	SC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Beige
AFR-00457-AQ	180600198	SC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Aqua
AFR-00457-EV	180600313	SC Duplex 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode OM4 - Erica Violet
AFR-00458-BL	180600199	Quad LC 96 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode - Blue
AFR-00458-GR	180600200	Quad LC 96 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode - Green
AFR-00459-OL	180600201	Quad LC 96 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Beige
AFR-00459-AQ	180600202	Quad LC 96 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Aqua
AFR-00459-EV	180600314	Quad LC 96 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode OM4 - Erica Violet

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## ORDERING INFORMATION

# molex 1U Multi-Function Fibre Enclosure

Order No.	SAP No.	Description
AFR-00460-BL	180600203	SC Duplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode - Blue
AFR-00460-GR	180600204	SC Duplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode - Green
AFR-00461-OL	180600205	SC Duplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Beige
AFR-00461-AQ	180600206	SC Duplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Aqua
AFR-00461-EV	180600315	SC Duplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode OM4 - Erica Violet
AFR-00462-BL	180600207	Quad LC 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode - Blue
AFR-00462-GR	180600208	Quad LC 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode - Green
AFR-00463-OL	180600209	Quad LC 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Beige
AFR-00463-AQ	180600210	Quad LC 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode - Aqua
AFR-00463-EV	180600316	Quad LC 48 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode OM4 - Erica Violet
AFR-00464	180600211	FC Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode
AFR-00465	180600212	FC Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode
AFR-00466	180600213	ST Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Singlemode
AFR-00467	180600214	ST Simplex 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Loaded, Unshuttered, Multimode
AFR-00514-BL	Consult Molex	LC Quad 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Singlemode OS1/2 - Blue
AFR-00514-GR	Consult Molex	LC Quad APC 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Singlemode OS1/2 - Green
AFR-00515-OL	Consult Molex	LC Quad 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Multimode OM1/OM2 - Beige
AFR-00515-AQ	Consult Molex	LC Quad 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Multimode OM3/OM4 - Aqua
AFR-00515-EV	Consult Molex	LC Quad 24 Fibre Adapter Plate for 1U Multi-Function Fibre Enclosure, Multimode OM3/OM4 - Erica Violet
<b>FR-00311 Specific Un-Loaded Adapter Plates (NOT AVAILABLE IN ANZ)</b>		
AFR-00476	180600223	Unloaded 24 X SC Simplex Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00477	180600224	Unloaded 24 X LC Duplex Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00478	180600225	Unloaded 24 X SC Duplex Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00479	180600226	Unloaded 24 X LC Quad Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00480	180600227	Unloaded 12 X SC Duplex Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00481	180600228	Unloaded 12 X LC Quad Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00518	Consult Molex	Unloaded 6 X SC Duplex Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00519	Consult Molex	Unloaded 6 X LC Quad Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00537	180600298	Unloaded 6 X SC Simplex Shuttered Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00538	180600299	Unloaded 6 X LC Duplex Shuttered Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00539	180600300	Unloaded 12 X SC Shuttered Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00540	180600301	Unloaded 12 X LC Duplex Shuttered Adapter Plate for 1U Multi-Function Fibre Enclosure
AFR-00541	180600302	Unloaded 12 X SC Duplex Shuttered Adapter Plate for 1U Multi-Function Fibre Enclosure

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Order No.	SAP No.	Description
AFR-00542	180600303	Unloaded 12 X LC Quad Shuttered Adapter Plate for 1U Multi-Function Fibre Enclosure
<b>Compatible 6 Pak Loaded Adapter Plates</b>		
AFR-00468	180600215	6 Fibre Adapter Front Plate for 1U Multi-Function Fibre Enclosure
AFR-00357	180600135	ST 6 Fibre Adapter Plate, Singlemode
AFR-00358	180600136	SC Duplex 6 Fibre Adapter Plate, Singlemode - Blue
AFR-00359	180600137	SC Duplex 6 Fibre Shuttered Adapter Plate, Singlemode - Blue
AFR-00360	180600138	SC Duplex 6 Fibre Adapter Plate, Multimode - Beige
AFR-00361	180600139	SC Duplex 6 Fibre Shuttered Adapter Plate, Multimode - Beige
AFR-00362	180600140	SC Duplex 12 Fibre Adapter Plate, Multimode - Beige
AFR-00363	180600141	6 Fibre Blank Plastic, pack of 4
AFR-00364	180600142	ST 6 Fibre Adapter Plate, Unloaded
AFR-00365	180600143	LC Duplex 12 Fibre Adapter Plate, Singlemode - Blue
AFR-00366	180600144	LC Duplex 12 Fibre Adapter Plate, Multimode - Beige
202-1053	186020759	LC Duplex 24 Fibre Shuttered Adapter Plate
202-1051	186020757	LC Duplex 12 Fibre Shuttered Adapter Plate
AFR-00367	180600145	SC Duplex/LC Quad Adapter Plate, Unloaded
AFR-00368	180600146	SC Duplex 12 Fibre Adapter Plate, Singlemode - Blue
AFR-00369	180600147	LC Quad 12 Fibre Plate, Singlemode - Blue
AFR-00370	180600148	LC Quad 12 Fibre Plate, Multimode - Beige
AFR-00371	180600149	FC 6 Pak Adaptor Plate
AFR-00372	180600150	SC Duplex 6 Fibre Adapter Plate, Multimode OM3 - Aqua
AFR-00405	180600162	6 Fibre SC APC Angled Adapter Plate, Singlemode
AFR-00442-0J	180600177	SC/APC Duplex 12 Fibre Adapter Plate, Singlemode - Green
AFR-00373	180600151	SC Duplex 6 Fibre Shuttered Adapter Plate, Multimode OM3 - Aqua
AFR-00374	180600152	SC Duplex 12 Fibre Adapter Plate, Multimode OM3 - Aqua
202-1054	186020760	SC Duplex 24 Fibre Shuttered Adapter Plate
AFR-00375	180600153	LC Quad 12 Fibre Adapter Plate, Multimode OM3 - Aqua
AFR-00376	180600154	LC Duplex 12 Fibre Adapter Plate, Multimode OM3 - Aqua
AFR-00377	180600155	LC Quad 24 Fibre LC Adapter Plate, Multimode OM1 - Beige
AFR-00378	180600156	LC Quad 24 Fibre LC Adapter Plate, Multimode OM3 - Aqua
AFR-00379	180600157	LC Quad 24 Fibre LC Adapter Plate, Singlemode - Blue
AFR-00381	180600158	LC Quad 12 Fibre Shuttered Angled Adapter Plate, Multimode OM3 - Aqua
AFR-00385	180600160	LC Quad 12 Fibre Angled Adapter Plate, Multimode OM3 - Aqua - AQU
202-1055	186020761	LC Quad 48 Fibre Shuttered Adapter Plate
AFR-00386	180600161	6 Fibre Angled Plate SC/APC Connectors
202-1050	186020756	SC Simplex 6 Fibre Shuttered Adapter Plate for 1U Multi-Function Fibre Enclosure
202-1052	186020758	SC Simplex 12 Fibre Shuttered Adapter Plate for 1U Multi-Function Fibre Enclosure
<b>Compatible MTP Adapter Plates</b>		
AFR-00422-04	180600170	40G/100G Adapter Plate - Black
AFR-00422-0L	180600171	40G/100G Adapter Plate - Beige
AFR-00422-0J	180600172	40G/100G Adapter Plate - Green
AFR-00422-AQ	180600173	40G/100G Adapter Plate - Aqua
AFR-00422-BL	180600174	40G/100G Adapter Plate - Blue
AFR-00422-08	180600175	40G/100G Adapter Plate - Grey
<b>DataGate and Synergy Compatible 6 Fibre Plates</b>		
AFR-00440	183190029	6 Fibre Plate 3XDG Module, Unequipped

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AFR-00441	183190030	6 Fibre Shielded Plate 3XDG Module, Unequipped
<b>DataGate and Synergy Compatible 6 Fibre Plates</b>		
AFR-00440	183190029	6 Fibre Plate 3XDG Module, Unequipped
AFR-00441	183190030	6 Fibre Shielded Plate 3XDG Module, Unequipped
<b>Modular Splice Cassettes</b>		
AFR-00340	183190000	Modular Splice Cassette, SC Duplex, 6 Fibre, Singlemode OS1
AFR-00341	183190001	Modular Splice Cassette, SC Duplex, 6 Fibre, Multimode OM1
AFR-00342	183190002	Modular Splice Cassette, SC Duplex, 6 Fibre, Multimode OM2
AFR-00343	183190003	Modular Splice Cassette, SC Duplex, 6 Fibre, Multimode OM3
AFR-00344	183190004	Modular Splice Cassette, SC Duplex, 12 Fibre, Singlemode OS1
AFR-00345	183190005	Modular Splice Cassette, SC Duplex, 12 Fibre, Multimode OM1
AFR-00346	183190006	Modular Splice Cassette, SC Duplex, 12 Fibre, Multimode OM2
AFR-00347	183190007	Modular Splice Cassette, SC Duplex, 12 Fibre, Multimode OM3
AFR-00348	183190008	Modular Splice Cassette, LC Duplex, 12 Fibre, Singlemode OS1
AFR-00349	183190009	Modular Splice Cassette, LC Duplex, 12 Fibre, Multimode OM1
AFR-00350	183190010	Modular Splice Cassette, LC Duplex, 12 Fibre, Multimode OM2
AFR-00351	183190011	Modular Splice Cassette, LC Duplex, 12 Fibre, Multimode OM3
AFR-00352	183190012	Modular Splice Cassette, LC Quad, 24 Fibre, Singlemode OS1
AFR-00353	183190013	Modular Splice Cassette, LC Quad, 24 Fibre, Multimode OM1
AFR-00354	183190014	Modular Splice Cassette, LC Quad, 24 Fibre, Multimode OM2
AFR-00355	183190015	Modular Splice Cassette, LC Quad, 24 Fibre, Multimode OM3
AFR-00380	183190016	Modular Splice Cassette Housing and Lid
AFR-00382	183190017	Modular Splice Cassette, ST, 6 Fibre, Singlemode OS1
AFR-00383	183190018	Modular Splice Cassette, ST, 6 Fibre, Multimode OM1
AFR-00384	183190019	Modular Splice Cassette, ST, 6 Fibre, Multimode OM2
AFR-00406	183190020	Modular Splice Cassette, SC/APC Duplex, 12 Fibre, Singlemode OS1
AFR-00435	183190024	Modular Splice Cassette 12P Duplex without Pigtail / Patch Cord
AFR-00436	183190025	Modlink Splice Cassette 12 Fibre, Singlemode OS1 DLC with Pigtails
AFR-00437	183190026	Modlink Splice Cassette 12 Fibre, Multimode OM1 DLC with Pigtails
AFR-00438	183190027	Modlink Splice Cassette 12 Fibre, Multimode OM3 DLC with Pigtails
<b>ModLink Cassettes</b>		
MLCQLC120M3	180370266	Mini ModLink Cassettes, QLC, 12 Fibre, Multimode OM3
MLCQLC120M2	180370267	Mini ModLink Cassettes, QLC, 12 Fibre, Multimode OM2
MLCQLC120M1	180370268	Mini ModLink Cassettes, QLC, 12 Fibre, Multimode OM1
MLCQLC120S1	180370269	Mini ModLink Cassettes, QLC, 12 Fibre, Singlemode OS1
MLCSTC120M2	180370270	Mini ModLink Cassettes, ST, 12 Fibre, Multimode OM2
MLCSTC120M1	180370271	Mini ModLink Cassettes, ST, 12 Fibre, Multimode OM1
MLCDSC120S1	181810135	Mini ModLink Cassettes, DSC, 12 Fibre, Singlemode OS1
MLCMTR120S1	181810136	Mini ModLink Cassettes, MT-RJ, 12 Fibre, Singlemode OS1
MLCDLC120S1	181810137	Mini ModLink Cassettes, DLC, 12 Fibre, Singlemode OS1
MLCDSC120M1	181810140	Mini ModLink Cassettes, DSC, 12 Fibre, Multimode OM1
MLCMTR120M1	181810141	Mini ModLink Cassettes, MT-RJ, 12 Fibre, Multimode OM1
MLCDLC120M1	181810142	Mini ModLink Cassettes, DLC, 12 Fibre, Multimode OM1
MLCDSC120M2	181810145	Mini ModLink Cassettes, DSC, 12 Fibre, Multimode OM2
MLCMTR120M2	181810146	Mini ModLink Cassettes, MT-RJ, 12 Fibre, Multimode OM2
MLCDLC120M2	181810147	Mini ModLink Cassettes, DLC, 12 Fibre, Multimode OM2

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MLCDSC12OM3	181810150	Mini ModLink Cassettes, DSC, 12 Fibre, Multimode OM3
MLCMTR12OM3	181810151	Mini ModLink Cassettes, MT-RJ, 12 Fibre, Multimode OM3
MLCDLC12OM3	181810152	Mini ModLink Cassettes, DLC, 12 Fibre, Multimode OM3
MLCQLC24OS1	181810161	Mini ModLink Cassettes, QLC, 24 Fibre, Singlemode OS1
MLCQLC24OM1	181810162	Mini ModLink Cassettes, QLC, 24 Fibre, Multimode OM1
MLCQLC24OM3	181810163	Mini ModLink Cassettes, QLC, 24 Fibre, Multimode OM3
MLCQLC24OM2	181810164	Mini ModLink Cassettes, QLC, 24 Fibre, Multimode OM2

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