



MDU-S3-32 or MDU-S3-64

32 SC or 64 LC

Application / Product Description

Designed for deployment within the last mile of the FTTx network, the MDU-S3-32 and MDU-S3-64 enclosures can be used within Point to Point (P2P) or Point to Multi Point (P2MP) applications with the addition of connectorised or bare end splitters, pigtails and adaptors.

This specific S3 is a multi-function MDU pre-connectorised enclosure able to be scaled from only a small number of subscribers up to 64 LC connections in a single enclosure. It can also be cascaded to support even larger MDU installations.

The MDU-S3-32 or MDU-S3-64 enclosure permits the transitioning of fibre cables through the use of 4 Single Element (SE) splice trays, as well as the interconnection of several corridor cables. Fitted with the newly Integrated Connector Unit (ICU), it now provides a maximum of 32 SC simplex ports (in blocks of 4) or 64 LC simplex ports (in blocks of 8).

The S3 ICU has also a provision for up to two 1:32 splitters, bare end to pre-terminated LC or SC APC. Other splitter variants are available with a body size of 80x20x6mm.

The S3 enclosure is configured with the smaller HellermannTyton Angled IR Fibre Management System (FMS) which accommodates a maximum of 4 SE-IR MKII or 8 SC-B IR MKII trays giving a maximum of 96 3A fibre splices. The FMS is equipped to house up to 3 bare-end splitters for simple splice-only designs.

Designed with 7 input/output ports, 3 across the bottom, 2 on the top and 1 on each side, the MDU-S3-32 and MDU-S3-64 incorporate the S3 drop seal for 24 drop cables of up to 5mm outer diameter (bottom right port) and several anchoring points to eliminate post-installation cable damage or movement. They come with an incoming loop through cable gland with modular 3-13mm rubber seals, ready to be fitted on the bottom left port.

Other S3 standard accessories are available upon request, such as 20mm cable glands, additional S3 drop seal, S3 keyed lock system.

A 100 x 25mm inset position on the front cover allows for a customer logo to be moulded in to the enclosure.

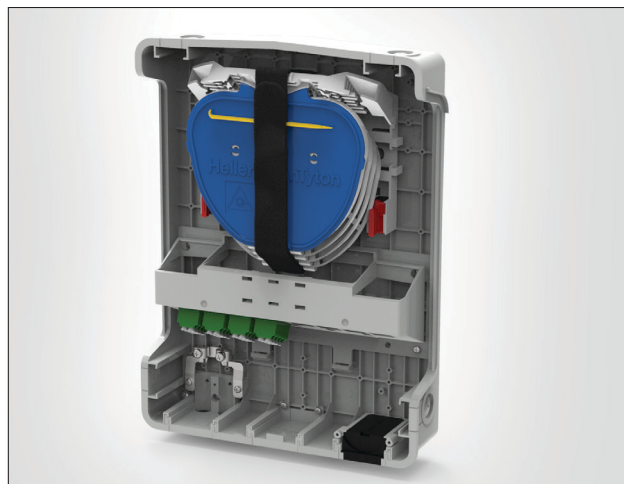
The enclosure is 340 x 247 x 76mm (H x W x D) and manufactured in light grey (RAL 7035), UV stable ABS (Acrylonitrile Butadiene Styrene) and has an IP54, IK08 and V0 rating.

Its small form factor and lockable design make it ideally suited for numerous styles of MDU network design in even the tightest of spaces.

Features and Benefits:

- Up to 64 LC or 32 SC connections
- Designed to allow up to 2-way, 4-way, 8-way or 12-way corridor cables to be connected or spliced
- Small, low profile design
- Easy installation to corridor walls, either above or below the ceiling level as well as in MDU risers or comms cupboards, by a single engineer
- IP54 / IK08
- UL94-V0 material, suitable for indoor use

Dimensions (mm)	H	W	D
	340	247	76



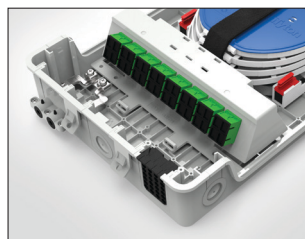
MDU-S3-32 with 8 LC APC Quad Adaptors and 4 SE IR MKII Splice Trays.



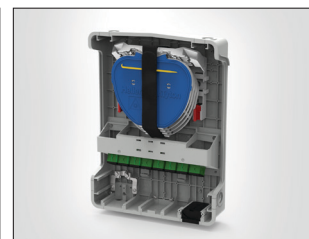
MDU-S3 Enclosure with Lid.



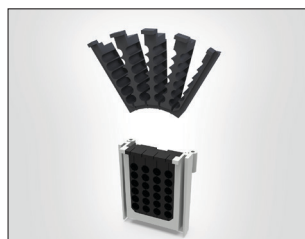
MDU-S3 Enclosure base view.



MDU-S3-32 with 16 SC APC Duplex Adaptors on ICU (detail view).



MDU-S3-64 with 16 SC APC Duplex Adaptors and 4 SE IR MKII Splice Trays.



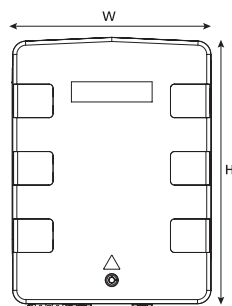
Drop seal kit (24 x 5mm).



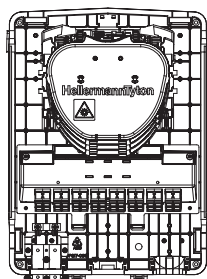
Loop through kit (3-13mm).



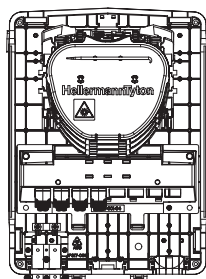
Technical Diagrams



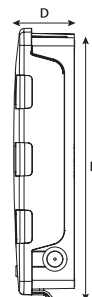
Front with lid.



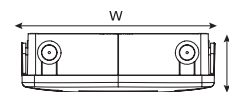
Front without lid shown
with SC Adaptors.



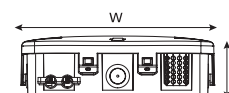
Front without lid shown
with LC Adaptors.



Side view with lid.



Top view with lid.



Base view with lid.

Part Codes

	UNS No.	Part Code	Tray		Splitter (Body Size: 80x20x6mm)		Adaptor	
			Type	Quantity	Type	Quantity	Type	Quantity
MDU-S3-32	857-02929	MDU-S3-XXM-IC08B	SE-IR MKII	4	-		LC QD APC	8
	857-02927	MDU-S3-XXM-IC08B11:32			1:32 Bare End to LC APC	1	LC QD APC	
	857-02951	MDU-S3-XXM-IC08B21:16			2 x 1:16 (in single package) Bare End to LC APC	2	LC QD APC	
	857-02928	MDU-S3-XXM-IC08B41:8			4X1:8 (in single package) Bare End to LC APC	1	LC QD APC	
	857-02932	MDU-S3-XXM-IC16V			-		SC DX APC	16
	857-02930	MDU-S3-XXM-IC16V11:32			1:32 Bare End to SC APC	1	SC DX APC	
	857-02931	MDU-S3-XXM-IC16V41:8			4X1:8 (in single package) Bare End to SC APC	1	SC DX APC	
MDU-S3-64	857-02952	MDU-S3-XXM-IC16B			-		LC QD APC	16
	857-02933	MDU-S3-XXM-IC16B21:32			1:32 Bare End to LC APC	2	LC QD APC	
	857-02934	MDU-S3-XXM-IC16B81:8			4X1:8 (in single package) Bare End to LC APC	2	LC QD APC	

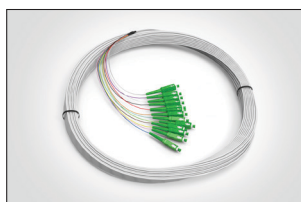
Associated Products

See datasheets for more information. Other configurations available upon request.



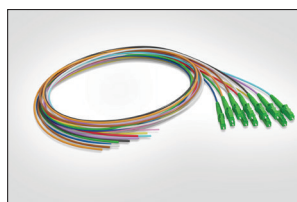
Bare End Corridor Cable

2, 4, 8 or 12 Fibres in 500m drum



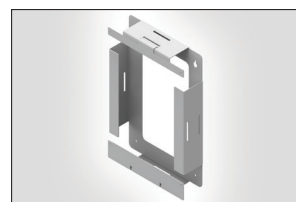
Fan Out Corridor Cable

2, 4, 8 or 12 Fibres in 25-250m

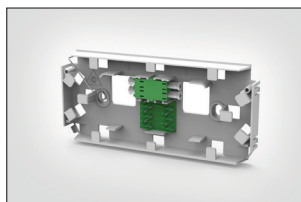


Easy Strip Pigtailed

(TIA Coloured)

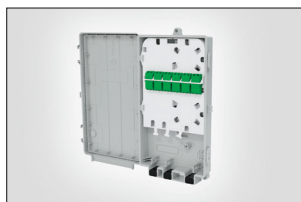


**MDU-S3 Rear Mounting Loop
Basket**



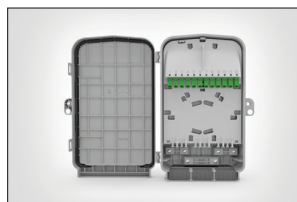
Internal Corridor Box (ICB)

LC/APC DX Adaptors



MDU-S1XS

LC/APC DX Adaptors



MDU-S1

LC/APC SX Adaptor



MDU-S2

LC/APC SX Adaptor