Flexio MATRIX™

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Part number: See page 2

The Matrix is a stand-alone fibre optic multiplexer and control solution, providing a simple, plug and play interface for a large array of sensors and equipment to any remotely operated system.

The system consists of a compact, one-atmospheric subsea unit rated for 3000 m, and a 19" rack-mounted topside unit with touch screen and status for all channels.

Flexio Matrix offer different configurations based on our standard Matrix family, such as Matrix Mk II+ and Mini Matrix.

Key features

- Web based control interface

- Software resettable fuses

- Highly configurable in software

The Matrix's internal control system provides individual 2-pole switching of all power outputs as well as DC power insulation monitoring. The DC power outputs are equipped with software resettable fuses to save operation time. All DC power outputs are equipped with voltage and current monitoring, which is also displayed in the topside controller.

FLEXIO MATRIX™ CONFIGURATIONS

Part number	Name	Details

6011201	Flexio M1 Matrix	• New connector layout:
		  - 8 off Subconn MCBH16F
		  - 5 off Subconn MCBH8F
		  - 1 off Subconn MCBH6F
		  - 1 off Subconn FCR2406M
		  - 1 off 472-G-4
		• Titanium canister
		• 30 off 24 VDC (2 A) outputs
		• 8 off 100 Mbps Ethernet channels
		• 19 off RS232 channels
		• 2 off RS232/RS485 SW switchable channels
		• Custom GUI on topside

6011202	Flexio M2 Matrix	• Custom wiring and pinout
		  - C2 is identical to C3
		  - Custom pinout on Subconn connectors
		• Extra Ethernet switch added
		  - Ethernet channel 2 is connected to extra switch

6011203	Flexio M3 Matrix	• Custom wiring on C4, C5 and C6

FLEXIO MINI MATRIX CONFIGURATIONS

Part number	Name	Details
6011101	Flexio M1 Mini Matrix	• C4, C5 and C6 are wired with 100 Mbps Ethernet, replacing RS232. - An Ethernet switch has been added to the canister, utilising the 4th Ethernet channel.
6011102	Flexio M2 Mini Matrix	• Connectors C4, C5, C6 and C9 are wired with 100 Mbps Ethernet, replacing RS232 - An Ethernet switch has been added to the canister, utilising the 4th Ethernet channel.

CUSTOM BUILDS AVAILABLE ON REQUEST

Last modified: September 11, 2024
Note: We accept no liability for any printing errors or changes in specification.