

# SPECIFICATION

All Unidrive and Digitax drives offer onboard STO as standard.

The MiS210 and MiS250 safety option modules extend the built-in STO with the ability to safely monitor and/or restrict the scope of motion.

## Safety Option Module



## Unidrive M



## Digitax HD



|  | MiS210                   | MiS250                   |
|--|--------------------------|--------------------------|
|  | Order No. 82400000021100 | Order No. 82700000021500 |

|                                     | MiS210                          | MiS250                   |                    |
|-------------------------------------|---------------------------------|--------------------------|--------------------|
|                                     | Order No. 82400000021100        | Order No. 82700000021500 |                    |
| Safe I/O                            | STO integration                 | "blade" connector        | wired              |
|                                     | Safe Input Pairs                | 4                        | 4                  |
|                                     | Safe Outputs                    | 2                        | 1(+1 used for STO) |
|                                     | Pulse Outputs                   | 2                        | 2                  |
| Encoders                            | Local Encoders                  | 2                        | 2                  |
|                                     | Encoder PSU                     | 1                        | 1                  |
|                                     | Encoder external PSU Monitoring | 1                        | 1                  |
| Network Safety                      | Safety over EtherCAT (FSoE)     | with SI-EtherCAT         | on M753            |
|                                     | CIP Safety                      | on M700/M702             | on M750            |
| Motion Safety Functions (instances) | Safe Stop 1                     | 1                        | 1                  |
|                                     | Safe Stop 2                     | 1                        | 1                  |
|                                     | Safe Operating Stop             | 4                        | 4                  |
|                                     | Safe Brake Control              | 1                        | 1                  |
|                                     | Safely Limited Speed            | 4                        | 4                  |
|                                     | Safe Speed Monitor              | 4                        | 4                  |
|                                     | Safely Limited Acceleration     | 4                        | 4                  |
|                                     | Safe Direction                  | 2                        | 2                  |
|                                     | Safely Limited Position         | 4                        | 4                  |
|                                     | Safe Datum                      | 1                        | 1                  |
|                                     | Safe Value Transfer             | Position, Speed          | Position, Speed    |
|                                     | Safe Two-Handed Control         | 1                        | 1                  |
| Safe Emergency Stop                 | 1                               | 1                        |                    |



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