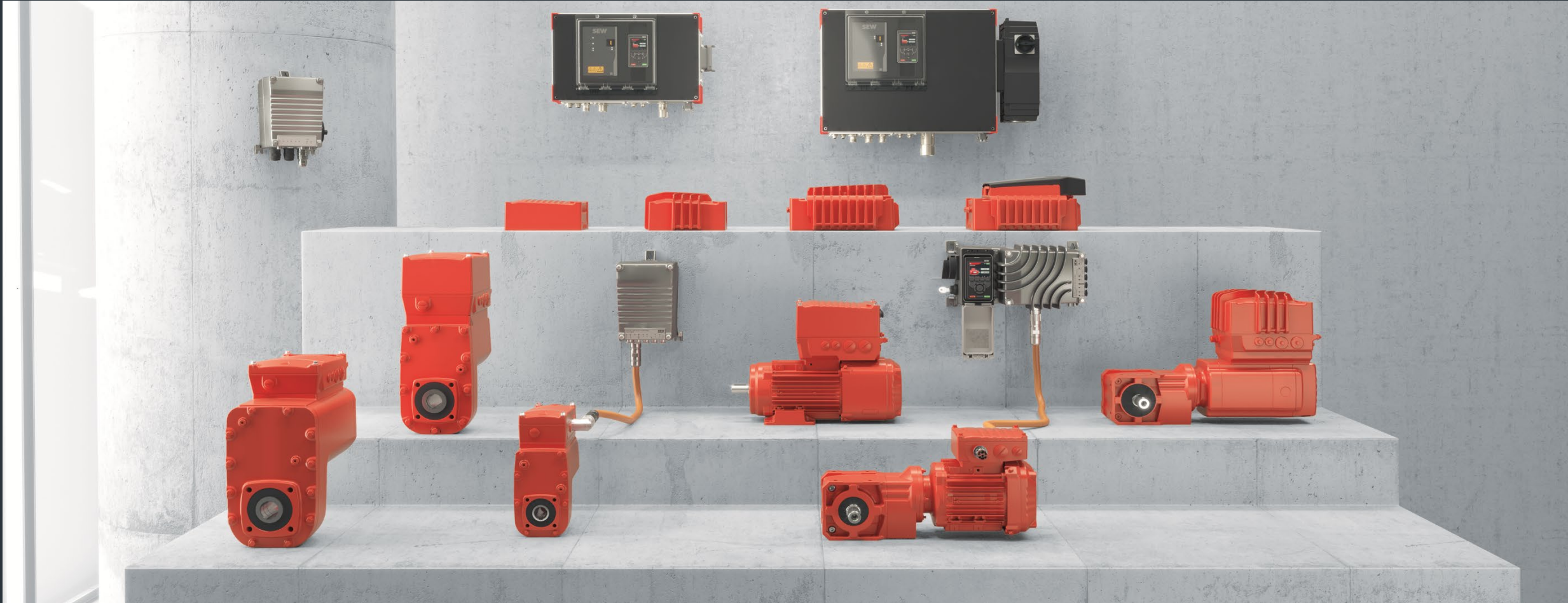


MOVIONE®

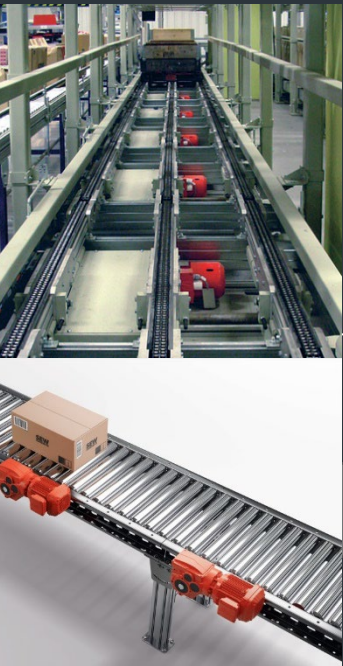
SEW
EURODRIVE



MOVI-C® decentralized portfolio



MOVI-C® decentralized portfolio



MOVIONE®

MOVIMOT® flexible

MOVIMOT® advanced

MOVIMOT® performance

MOVIGEAR® performance

MOVIPRO® technology

MOVITRAC® classic

MOVITRAC® advanced

MOVIDRIVE® technology

MOVITRAC® basic

easy

complex

MOVIONE® - scope of functions

**SIMPLE
OPTIMIZED
STANDARDIZED**

- **ONE** standardized inverter
 - PROFINET / Ethernet/IP* – multi-protocol capability
 - Brake control always included,
 - Brake coil can be used as a braking resistor
 - Functional safety always included, use optional
 - PROFIsafe / CIP Safety* in PLd
 - A safe two-channel digital input
 - 5x M12 push-pull connector
 - 2 digital inputs (DI) with status LEDs
 - 2 digital inputs/outputs (DIO) with status LEDs
 - Fieldbus In & Out
 - 24 V backup voltage
 - Ambient temperature down to -30°C.
 - EMC category C2
 - One power class: 4.0 A / 1.5 kW

4.0 A / 1.5 kW



EtherNet/IP*



Brake control

STO via bus,
F-DI

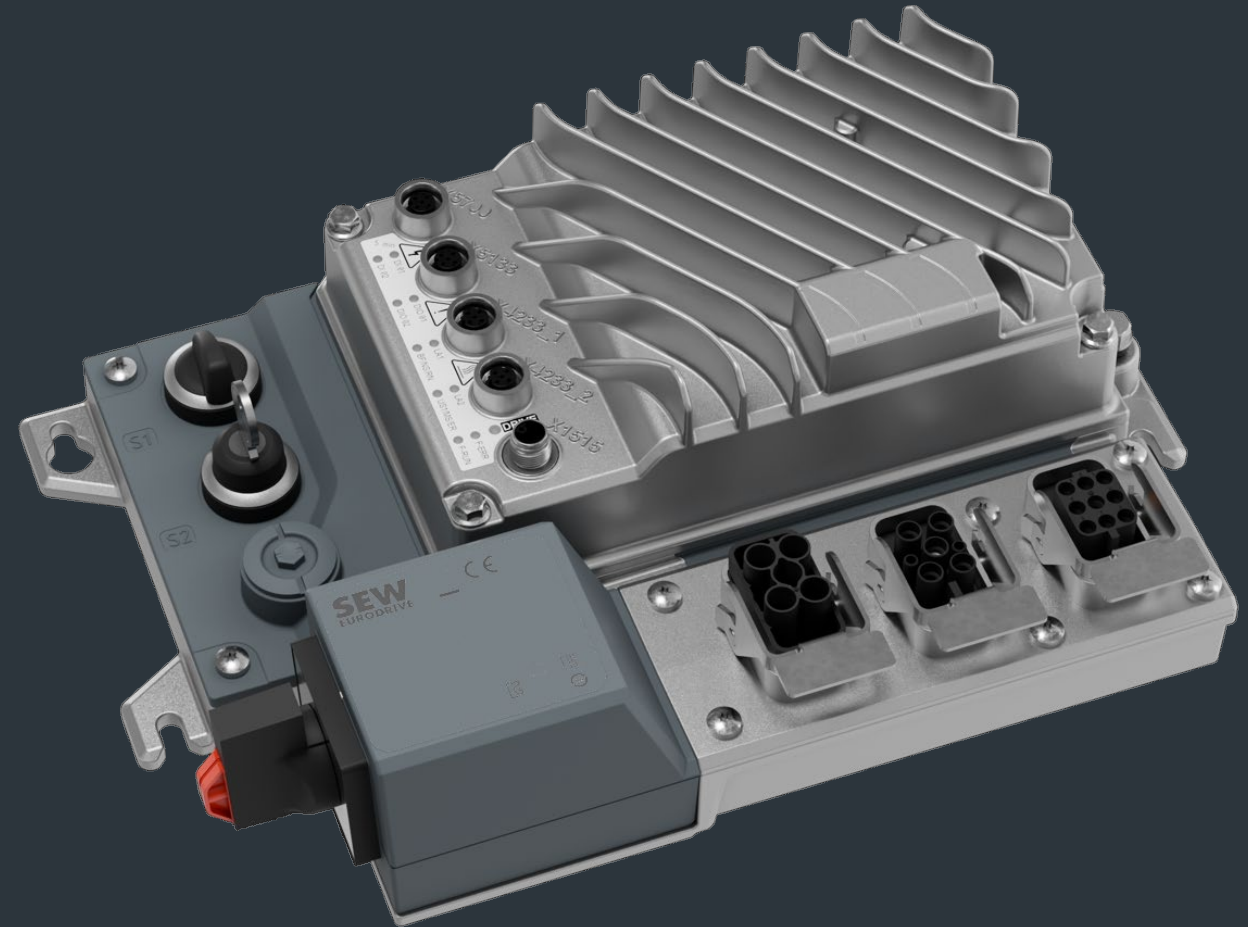
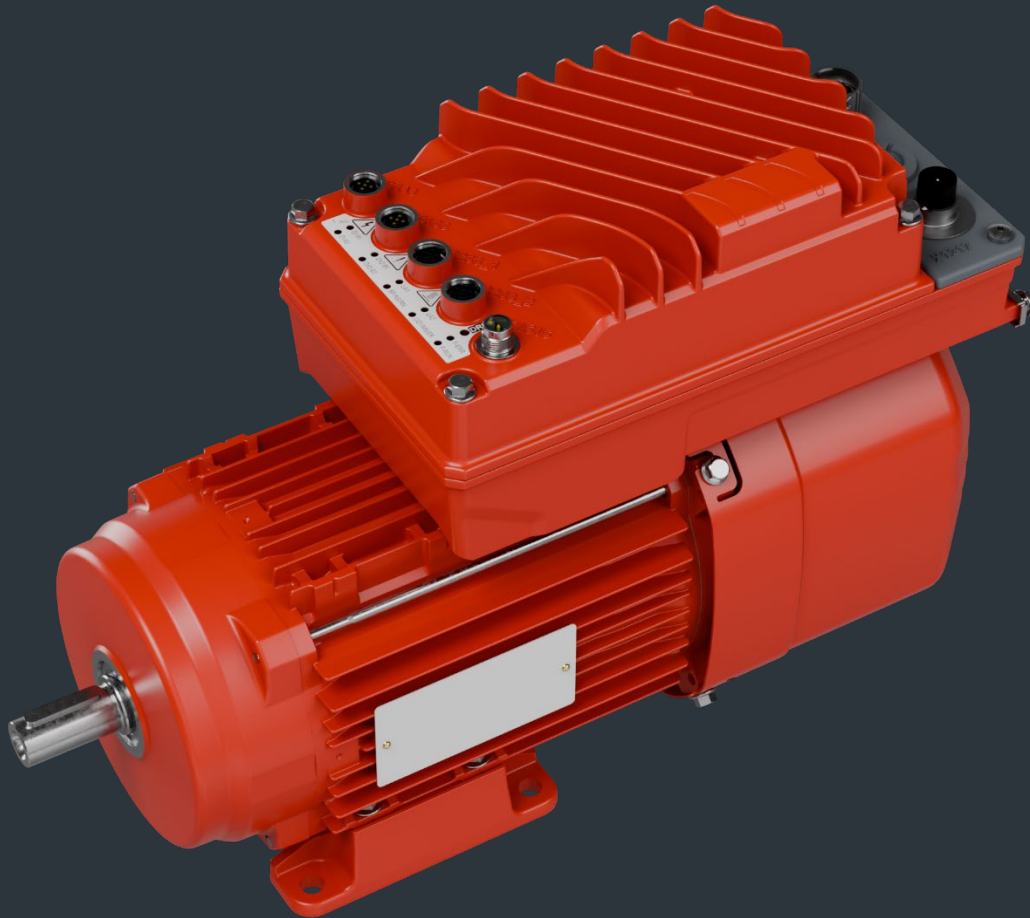
C2

 -30°C

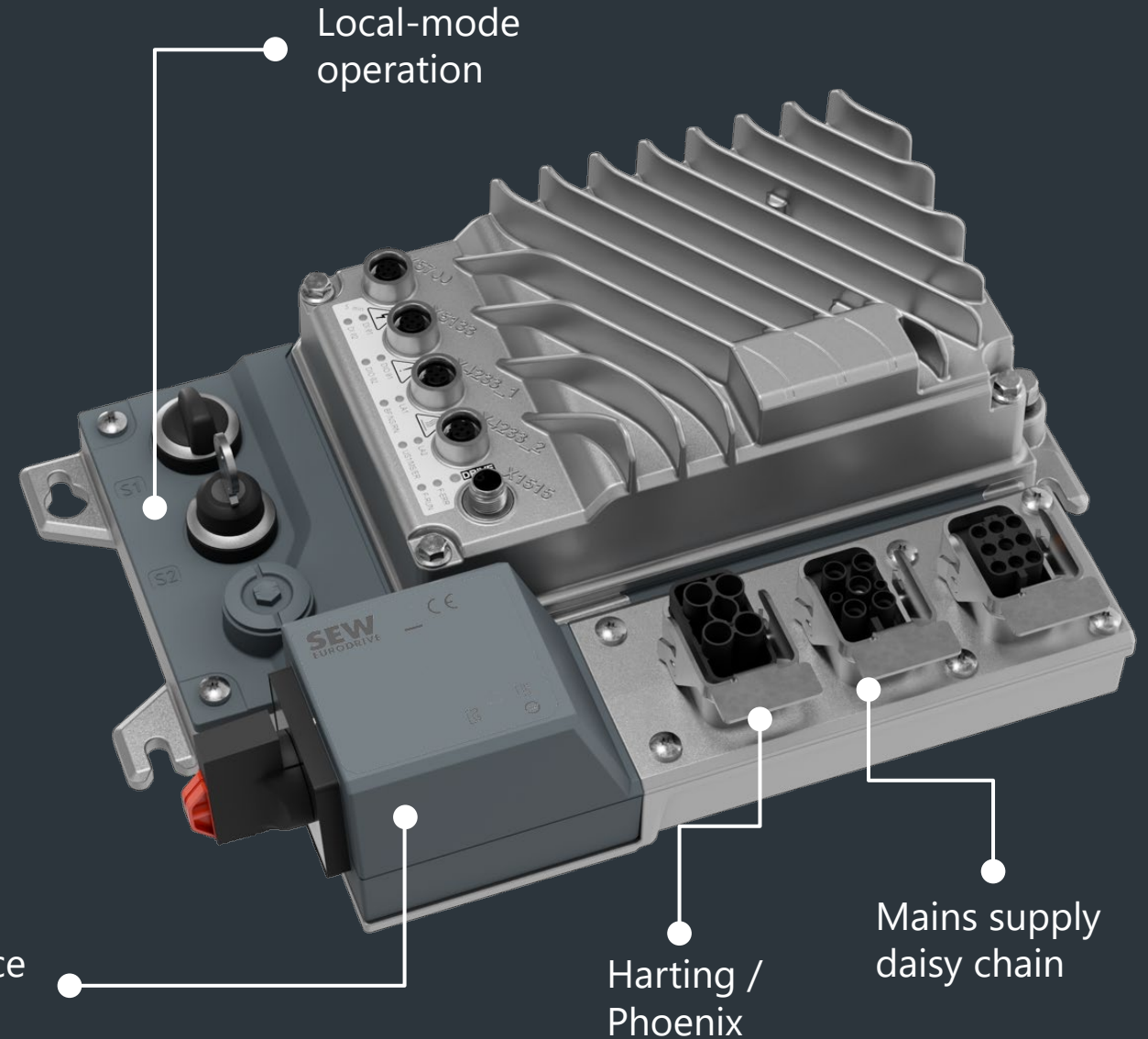
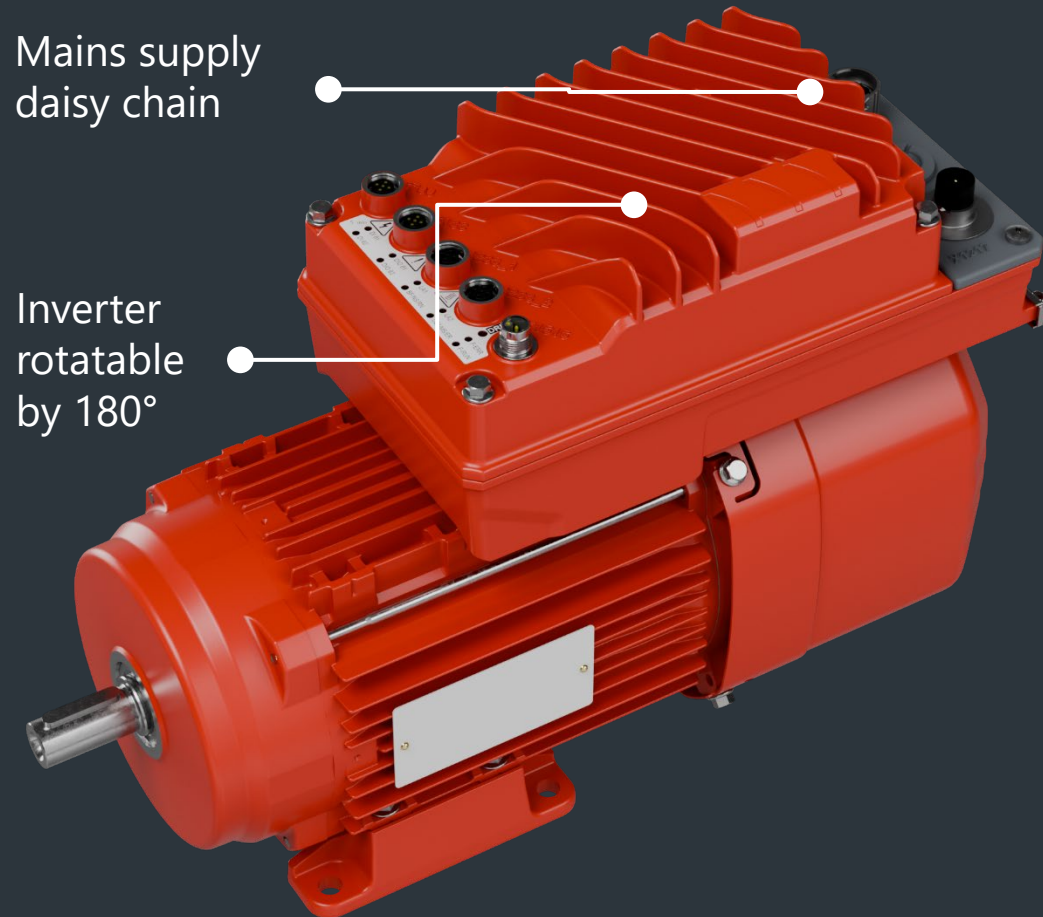
DI/DIO
status LEDs



MOVIONE®- products

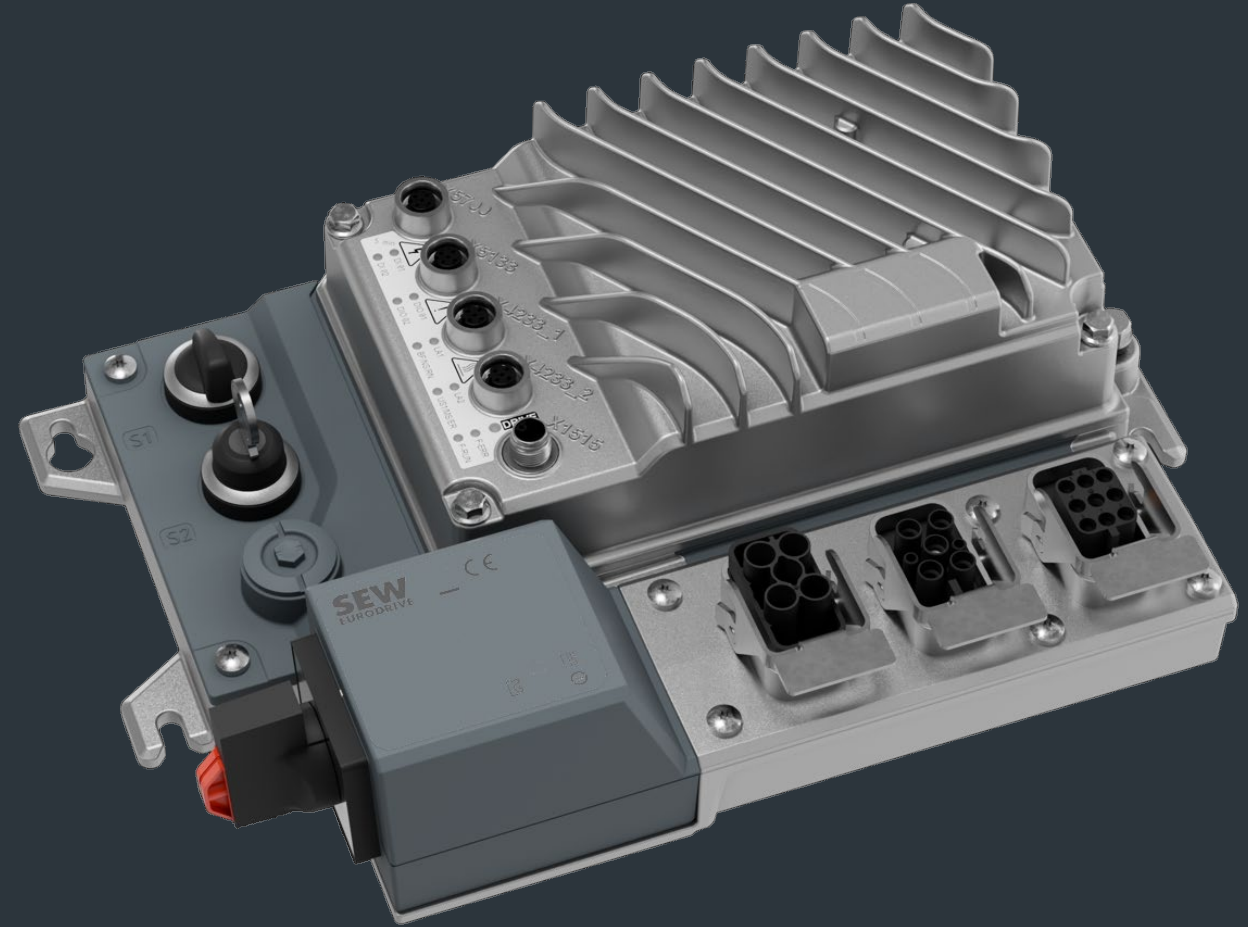


MOVIONE®- products

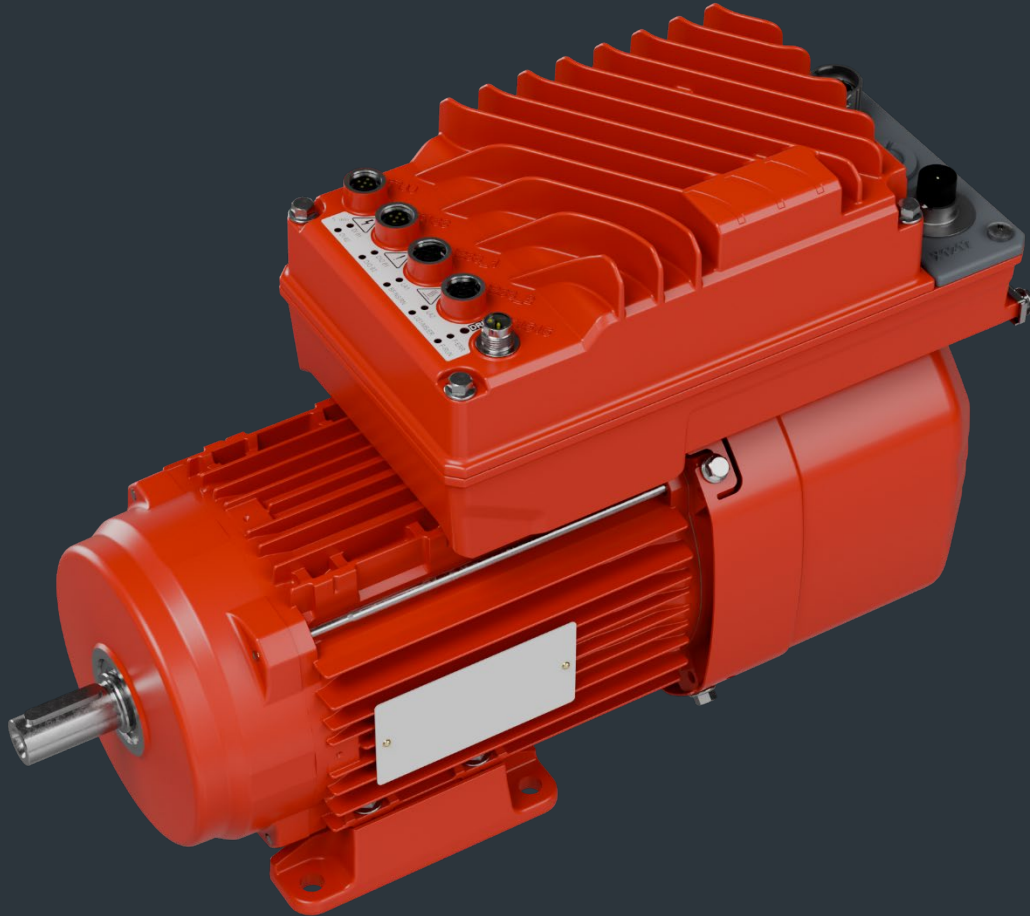


MOVIONE® – wall mounted

- Compatible motor series
 - DRN.. (IE3) in star or delta connection type
 - DR2C..A (IE5) in 2000 rpm and 3000 rpm
 - more
- Selectable options:
 - Maintenance switch /D11 (inverter input side)
 - Local control elements
- Selectable connectivity:
 - 1x S15 POWER (400V / 24V IN)
 - 2x S15 POWER (400 V / 24V IN & OUT)
 - 1x HANQ4/2 (400V)
 - 2x HANQ4/2 (400 V IN & OUT)
- Motor output connector HANQ8/0
- Local engineering interface via RJ10 always included

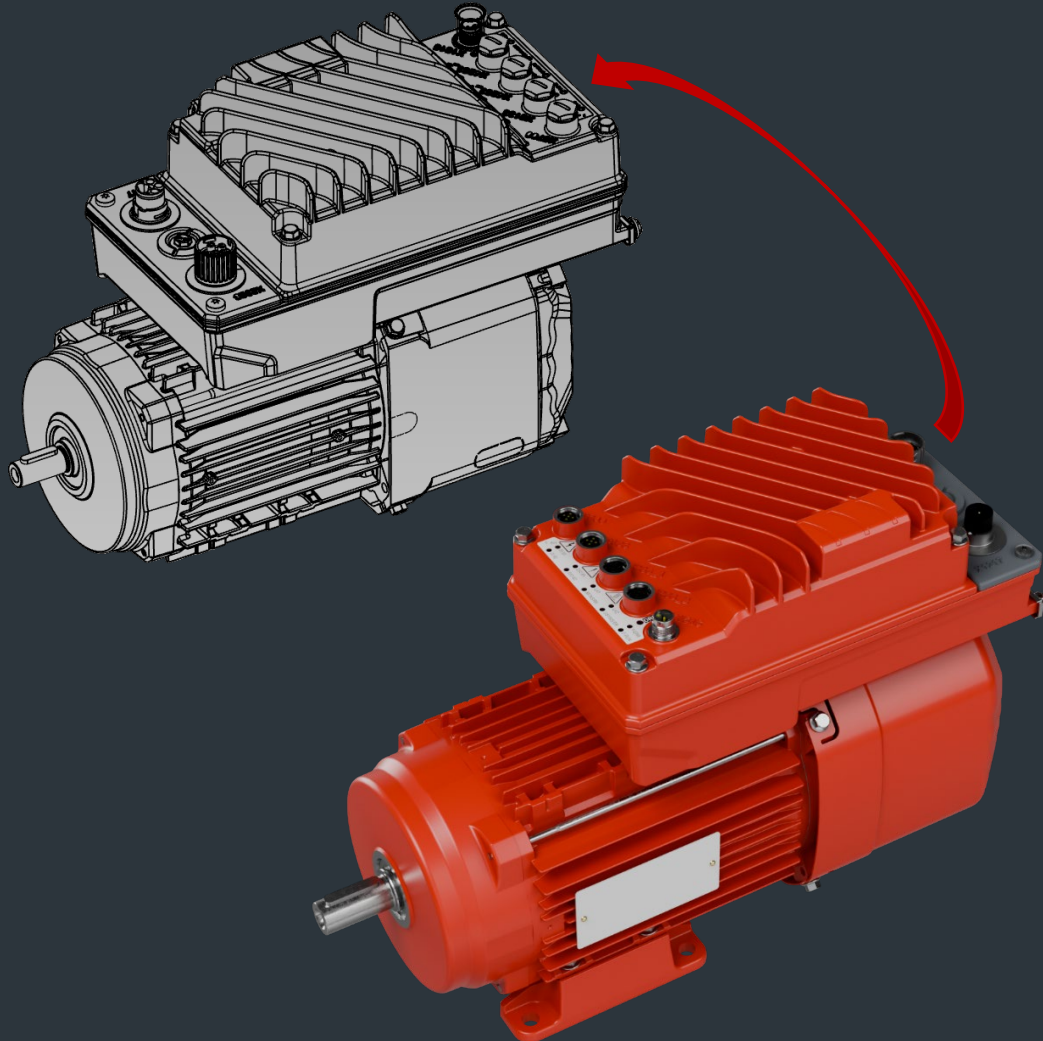


MOVIONE® – motor-mounted



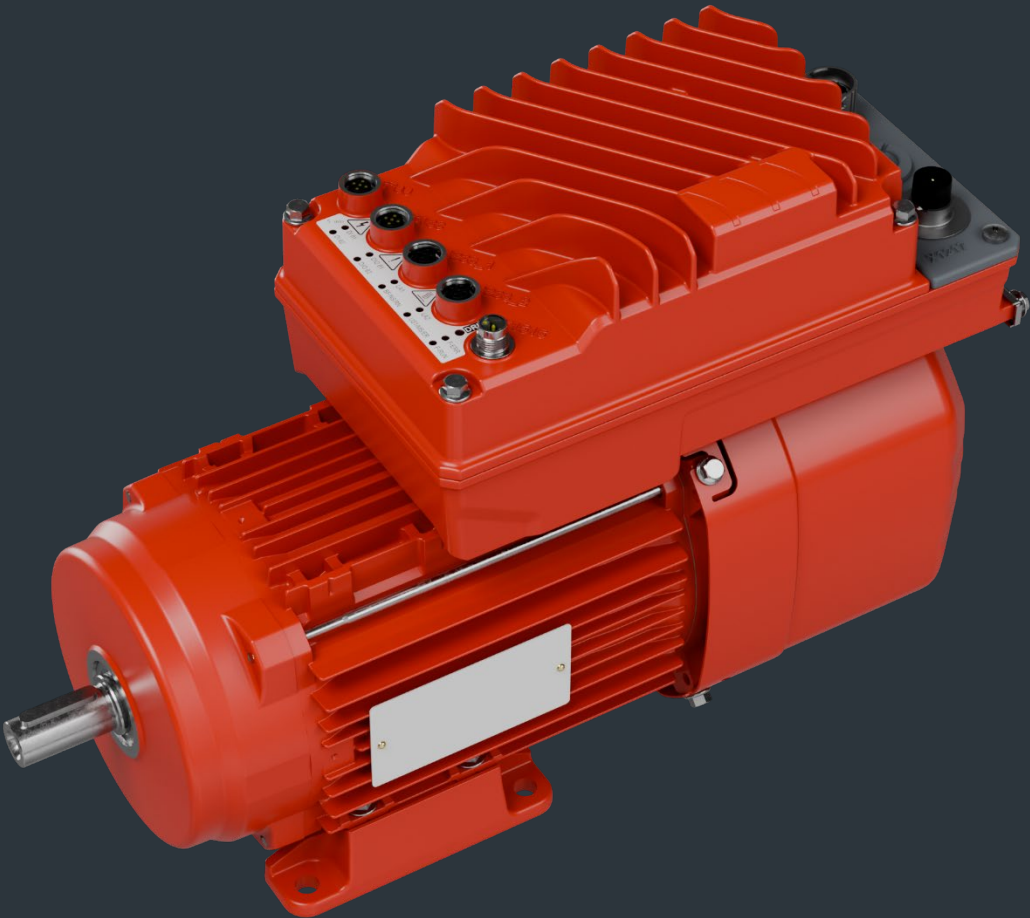
- Available motor series
 - DRN.. (IE3) in star connection type (not in delta)
 - DR2C..A (IE5) in 2000 rpm and 3000 rpm
- All motor brakes and braking torques of the respective size
- Standard ECO2 design, optionally painted
- Inverter can be mounted rotated by 180°
- Selectable connection technology:
 - 1x S15 POWER (400V / 24V IN)
 - 2x S15 POWER (400 V / 24V IN & OUT)
- Local engineering interface via RJ10 always included

MOVIONE® – motor-mounted



- Available motor series
 - DRN.. (IE3) in star connection type (not in delta)
 - DR2C..A (IE5) in 2000 rpm and 3000 rpm
- All motor brakes and braking torques of the respective size
- Standard ECO2 design, optionally painted
- Inverter can be mounted rotated by 180°
- Selectable connection technology:
 - 1x S15 POWER (400V / 24V IN)
 - 2x S15 POWER (400 V / 24V IN & OUT)
- Local engineering interface via RJ10 always included

MOVIONE® – motor-mounted

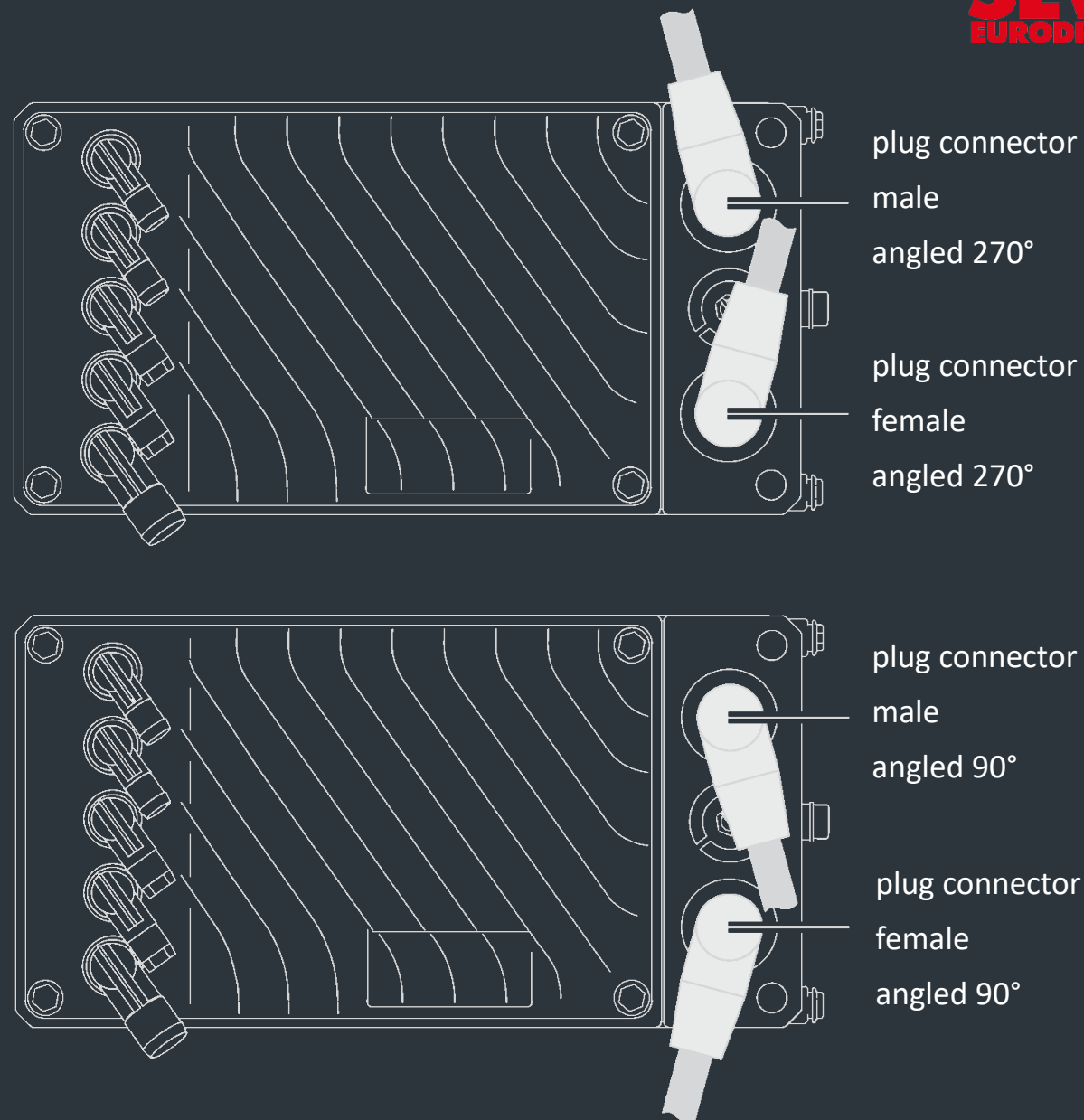
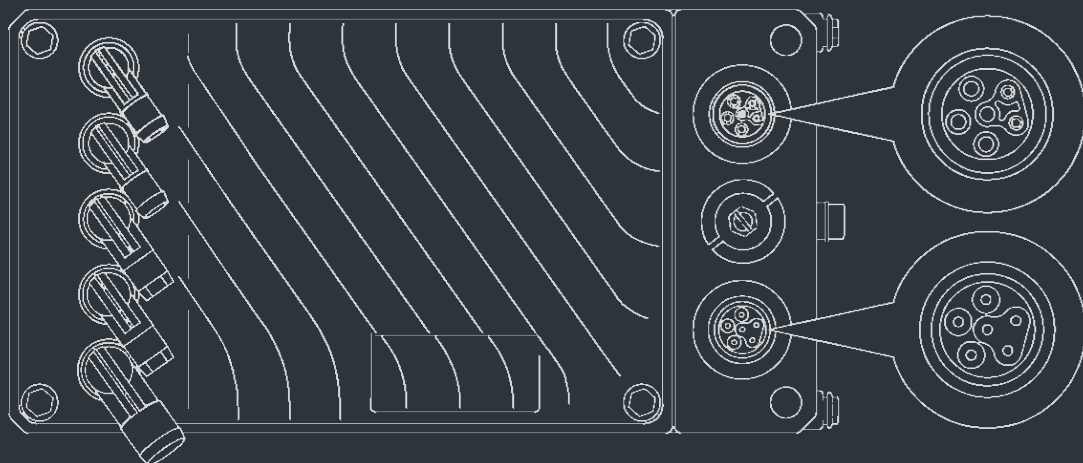


Inverter	Motor	Power
MVO-...-0040	DR2C* 71MKAR4	0.25 kW
	DRN 71MS4	
	DR2C* 71MKA4	0.37 kW
	DRN 71M4	
	DR2C* 71MSAR4	0.55 kW
	DRN 80MK4	
	DR2C* 71MSA4	0.75 kW
	DRN 80M4	
	DR2C* 71MA4	1.1 kW
	DRN 90S4	
	DR2C* 80MKA4	1.5 kW
	DRN 90L4	

* Assignment of DR2C..A with 2000 rpm (at 3000 rpm one power stage higher)

Connector alignment

Output direction with angled S15 POWER plug connector



Hardware & software

MOVIMOT® advanced/flexible/performance MOVIGEAR® performance	MOVIONE®
MOVILINK DDI	No MOVILINK DDI
24 V switched-mode power supply integrated	No 24 V switched-mode power supply integrated
Power range up to 7.5 kW	Power range up to 1.5 kW
300% overload	200% overload (= 8 A)
Encoder evaluation possible	Encoder evaluation not possible
Protection type>IP54, depending on the overall product	Protection type IP54
Communication types - DFC (PROFINET, EtherNet/IP, Powerlink CiA402) - DSI (EtherCAT / SbusPLUS, EtherCAT CiA402) - DAC (AS-Interface v3) - DBC (binary control)	DFC (PROFINET, ETHERNET/IP)
Safety functions - STO PL e (+ SS1-t) - F-DI - SLS	- STO PL d (+SS1 t) - F-DI

Hardware & software

MOVIMOT® advanced/flexible/performance MOVIGEAR® performance	MOVIONE®
Electrical installation • Cable gland • Power connector • M23 (Intercontec) • M15 • (HANQ4/2) • QPD (Phoenix) • Motor connector • M23 Intercontec • (HANQ8/0)	• No cable gland • Power connector • S15 POWER (pin compatible to MQ15) • HANQ4/2 • Motor connector • HANQ8/0
Digital inputs/outputs • 4x DI • 2x DIO	• 2x DI, with status LEDs • 2x DIO, with status LEDs

Hardware & software

MOVIMOT® advanced/flexible/performance MOVIGEAR® performance	MOVIONE®
Regenerative energy • 2Q operation possible • 4Q operation possible • Two possible channels for dissipating regenerative energy (parallel) • Channel 1: Internal braking resistor BW1/2 OR external braking resistor • Channel 2: Brake coil (for brakemotors)	• 2Q operation possible • 4Q operation possible • One possible channel for dissipating regenerative energy • Internal braking resistor BW1 OR brake coil (for brakemotors)

Safety



MOVISAFE® CSB72A	
Tested safety class/ standard basis	SIL 2 according to EN 61800-5-2, EN 61508 / PL d according to EN ISO 13849-1
F-DI	1 safe two-channel digital input (From 2 non-safe DIs)
Safe communication	PROFIsafe / CIP Safety
Safety sub-function	STO, SS1-t
FS logo	

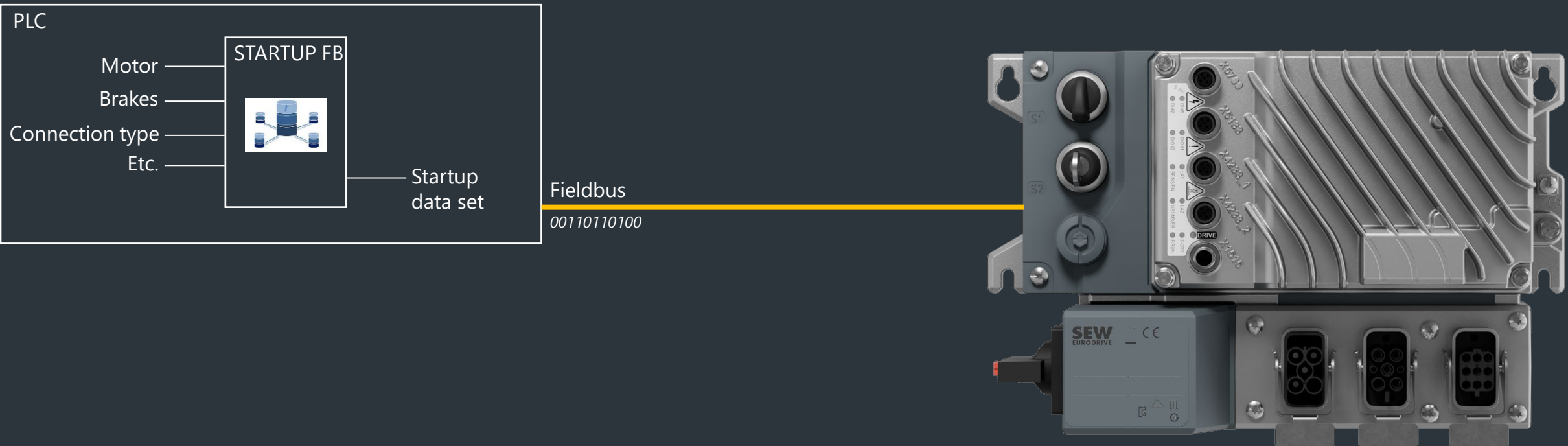
- STO via communication
- **No** STO via terminals
 - STO via F-DI with M12 jumper plug
- Master password is found on the inside of the inverter



Safe digital input function

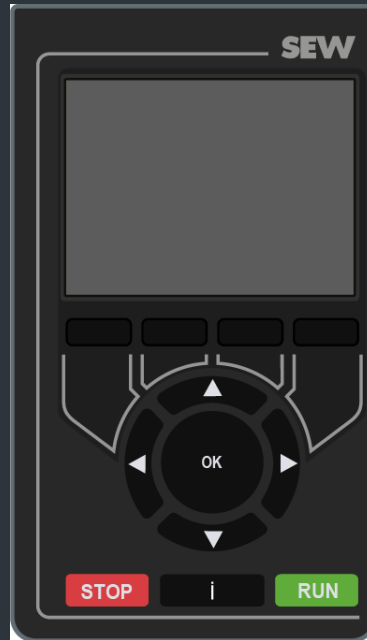
	Latching	Function 1
F-DI 00	Not active ▾	None ▾
None Fault acknowledgement Stop – STO Stop – SSx 1 Muting		

- The drive train is factory-installed at MOVIONE® fully integrated motor
- For MOVIONE®-wallmounted does not start up a drive train at the factory
 - Startup via MOVISUITE® or CBG
 - "Virtual DIP startup" via PLC



Supported CBGs

CBG21A – startup



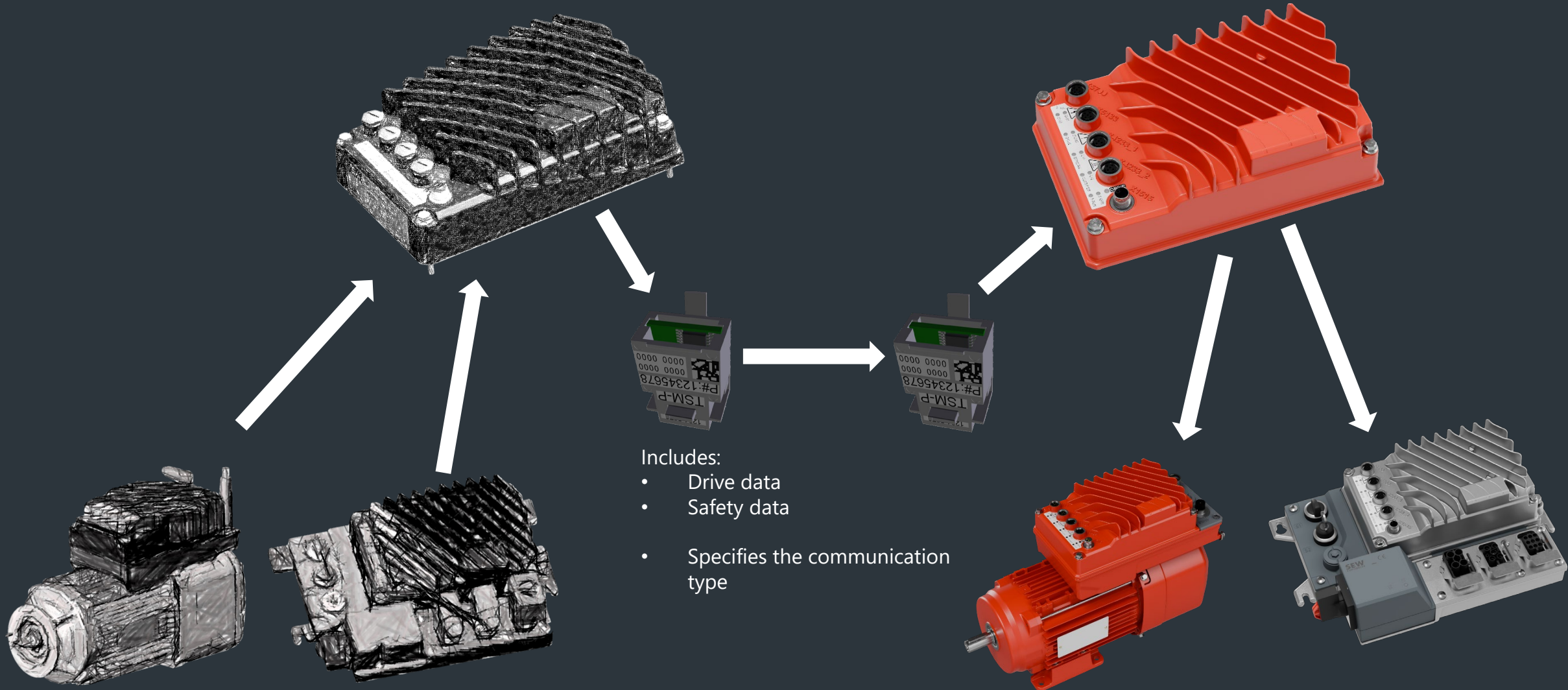
CBG22A – diagnostics



Cable: D-SUB 9 to RJ10



Replaceable memory module



Countries

	Europe	available
	Australia	available
	China	available
	USA and Canada	available
	South Korea	available
	Marocco	planned
	United Kingdom	available
	Ukraine	not planned for the time being
	Eurasian Economic Union	not planned for the time being

Timeline

Sales release
30.09.25

CW48/2025

Q2/2027

tbd



Functional safety
certification



Hybrid-PA (400V +
24V) supply with
Harting-
connectors



Ethernet/IP –
communication



Functional safety
certification



Hybrid-PA (400V +
24V) supply with
Harting-
connectors



Ethernet/IP –
communication



Functional safety
certification



Hybrid-PA (400V +
24V) supply with
Harting-
connectors



Ethernet/IP –
communication



Functional safety
certification



Hybrid-PA (400V +
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connectors



Ethernet/IP –
communication

MOVI-C[®]

