

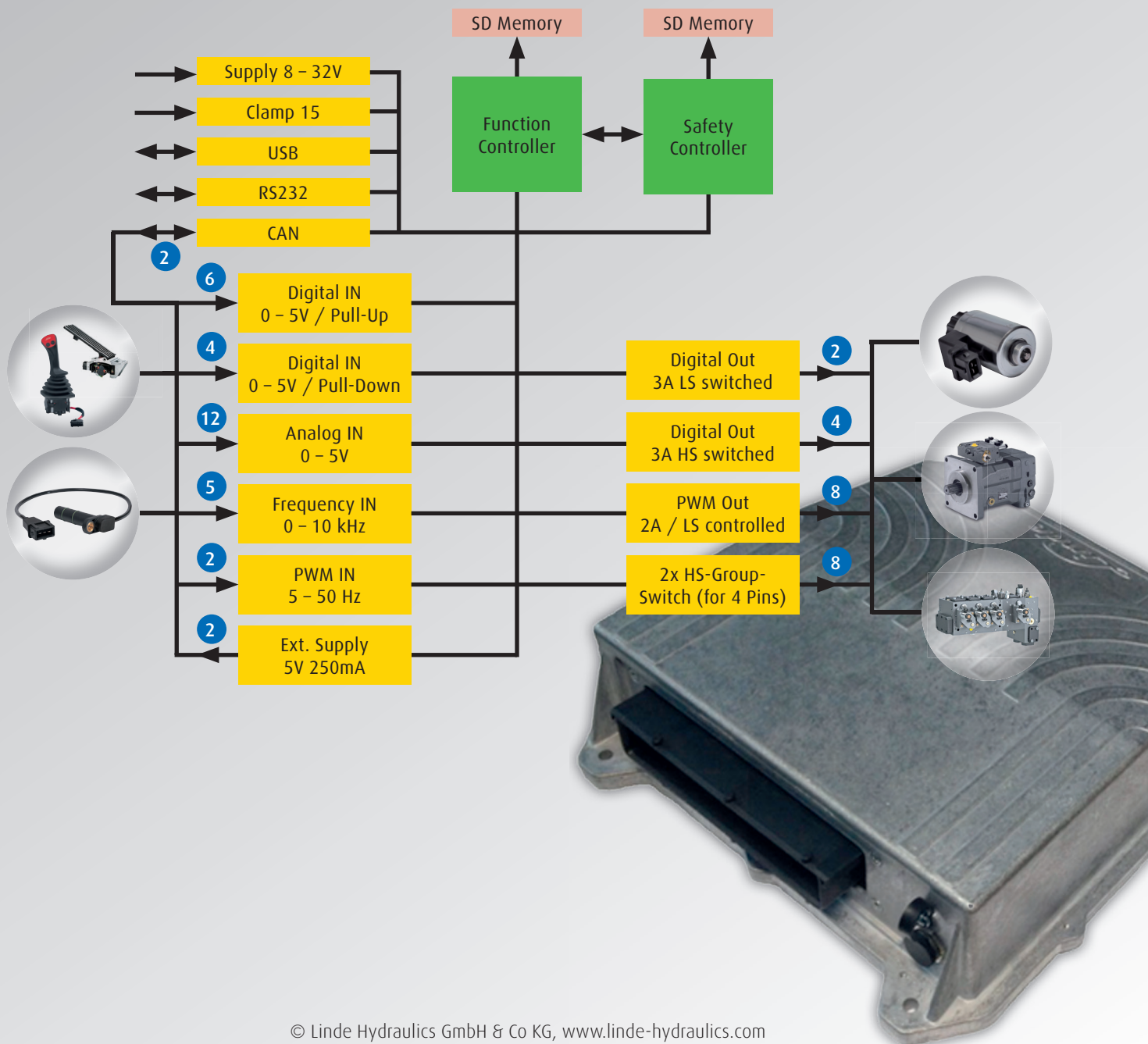
# iCon Drive Controller.

## Efficient drive management.



### Product features

- Controller for electro-hydraulic controlled drives
- Dimensioned for usual drive systems with additional outputs (parking brake, gear box clutch, etc.)
- Architecture fulfills requirements of performance level D (ISO13849-1)



# iCon Drive Controller.

## Efficient drive management.

Linde controller of the iCon-series are determined through their robust mechanical and electrical design. Key components are the function and safety controller. iCon controller are used standalone or in combination for electro-hydraulic systems. Beside the hydraulic components a variety of control inputs such as joysticks, pedals as well as the combustion engine and safety switches can be included in the overall control concept. Through economic operation modes and increased user friendliness a better power utilization as well as reduced fuel consumption and emissions can be achieved.

Parameters	
Supply	8-32VDC, rev. polarity prot.
Max. supply voltage	39V for 3 min
Current consumption	Max. 800mA (w/o external Load)
Short circuit protection	All pins against UB and GND
Protection level	IP67 acc. EN 60529
Temperature range	-20...+85°C
Environmental resistance	Salt spray, hydraulic oil, Diesel, UV-radiation, usual chemicals
Vibration	10g, 3 axis, 10Hz-2kHz
Shock	30g, 3 axis
Dimensions	217 x 235 x 40 mm
Weight	1.150 g
Connector	AMP 70 pol, USB
EMC	
EMC	ISO 11452-1-2-4, CISPR 25
ESD	ISO 10605
Interference	DIN EN 55025, ECE-R10 Rev.4
Conducted emissions	ISO 7637-2
Load Dump	ISO 16750-2

### Communication interfaces

- 2x CAN
- 1x USB
- 1x RS232

### Outputs

- 8x controlled PWM Out, Low-Side switched, max. 2A
- 8x High-Side Out, switched in two groups max. 2A
- 4x High-Side Digital Out, max. 3A
- 2x Low-Side Digital Out, max. 3A
- 2x external power supply, 5V, max. 250mA

### Inputs

- 6x Digital In, Pull-Up
- 4x Digital Out, Pull-Down
- 12x Analog In 0-5V
- 5x Frequency In 0-10kHz (1x for inductive input)
- 2x PWM-In 5-50Hz

