

iCon

Electronic controllers



iCon 100



iCon 200



iCon 300



Design Characteristics

- >> iCon 100, 200 and 300 can be freely combined with each other
- >> Upon delivery, the control is preconfigured with desired functions, machine characteristics and vehicle data
Single parameters can be configured easily
- >> Modularly structured software
- >> CAN bus

Advantages

- >> Cost-efficient configuration of manifold functions: from simple controls to complex and safety-critical systems
- >> Software with customer-specific adaptations
- >> Short development cycles
- >> Demand-oriented extension and simple implementation in overall vehicle network

Fields of application

Simple control			
Underspeed control			
Dual path drive			
On-road drive			
Complex controls			

	iCon 100	iCon 200	iCon 300
Simple control	✓	✓	✓
Underspeed control	✓	✓	✓
Dual path drive	✗	✓	✓
On-road drive	✗	✓	✓
Complex controls	✗	✗	✓



Electronic controllers



General technical data

		iCon 100	iCon 200	iCon 300
Safety Level		PLb	PLd	PLd
Controller		Function	Function + Safety	Function + Safety
Connector		42 pin, AMP	42 pin, AMP	70 pin, AMP
Number of controllable magnets	Proportional magnets	2	12(8)	12(8)
	2-point magnets	3	n/a	2
Outputs	HighSide Out, max. 3 A	3	7	8
	HighSide Out (switched in groups)	n/a	n/a	1
	LowSide Out	3	n/a	2
	LowSide current controller	2	4	8
	LowSide current controller for side A and B	n/a	4	n/a
	Ext. power supply, 5 V, max. 250 mA	1	1	2
Inputs	Analog In, 0-5 V	6	6	12
	Frequency In, 0-10 kHz	5	5	4
	Induktive sensors (frequency)	1	1	1
	PWM In	n/a	n/a	2
	Digital PullUp	13	2	6
	Digital PullDown	n/a	n/a	4
	Ignition	1	1	1
Communication interfaces	CAN	2	2	3
	RS232	n/a	n/a	1
	USB	n/a	n/a	optional

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