

eSys-SVC3

Robust and high performance ASIL-C ECU





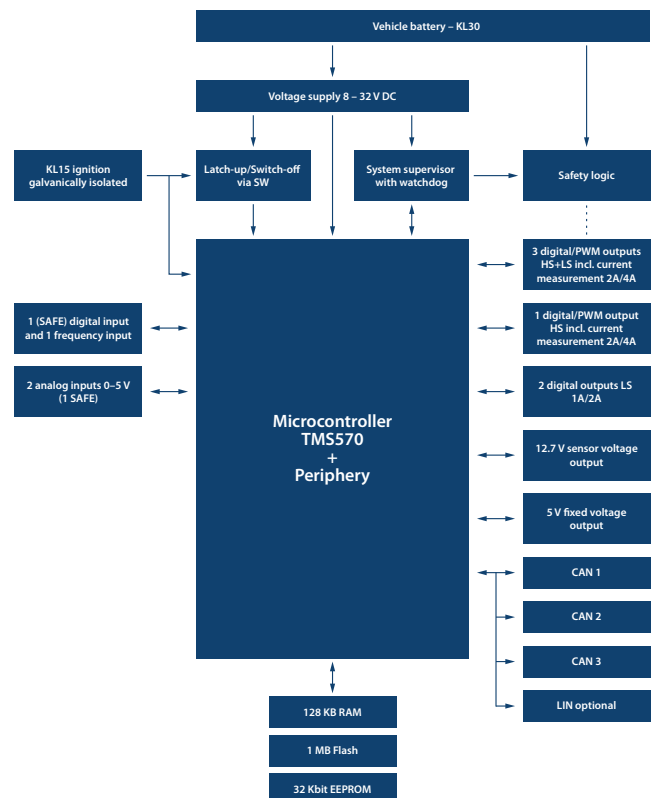
eSys-SVC3

eSys-SVC3 is a powerful electronic control unit for safety-related applications up to ASIL-C. A rugged construction and a wide range of applications facilitate an optimal use in mobile machines. For this, three CAN, an optional LIN interface and up to 15 inputs and outputs with various diagnostic features are available.

Key Features

ASIL-C	Scalable safety controllers up to ASIL-C (acc. to ISO 26262)
32 bit	High performance 32-bit Dual-Core Microcontroller
CAN	3× CAN interface acc. to ISO 11898
lin	1× LIN optional
	Number of IOs: 4 inputs, 11 outputs
	AUTOSAR compliant
	Robust aluminium housing with automotive connectors

Block Diagram



Technical Data

CPU	
CPU	32-bit microcontroller dual-core, 160 MHz
RAM	128 KB internal
Memory	1 MB internal
Interfaces & Inputs/Outputs	
CAN	3× CAN interface accord. to ISO 11898 and CAN 2.0 B
LIN	1× optional
Analog inputs, Pulldown 0–5 V and 0–32 V	2× (1× SAFE); 0–5 V
Digital inputs or RPM inputs	1× (SAFE)
Pulse inputs	1×
PWM/HSS/LSS outputs	4× (3× SAFE) current range highside 0 to 4.0 A, pulse frequency 0; 50 up to 500 Hz 5× (3× SAFE) current range lowside 0 bis 4,0A
Fixed voltage output	1× 5 V, stabilized supply voltage, short-circuit proof
Sensor voltage output	1× 12.7 V (optional)
Housing	
Plug	154-pin connector
Housing	IP68 (opt. IP6K9K), die-cast aluminium
Dimensions (l×w×h)	approx. 170 mm × 214 mm × 34 mm
Operating temperature	–40 °C to +85 °C housing temperature
Storage temperature	–40 °C to +90 °C housing temperature
Supply Voltage	
Supply voltage	8–32 V (12 V or 24 V board version)
Power consumption	Quiescent current approx. 2.8 mA at 28.5 V, total current up to 41 A





Mobile Automation



Industrial Automation



Diagnostics



Connectivity

We are looking forward to your enquiry!

Sontheim Electronic Systems L.P.

201 West 2nd Street
52801 Davenport, USA
Phone: +1 563 888 1471
Email: info@sontheim-esys.com

Sontheim Industrie Elektronik GmbH

Georg-Krug-Straße 2
D-87437 Kempten
Phone: +49 (0) 831 575900-0
Fax: +49 (0) 831 575900-72
Email: info@s-i-e.de

www.sontheim-esys.com