

### Overview



The fail-safe SIMATIC S7-1200 Controllers are based on the S7-1200 standard CPUs and offer additional safety-related functions.

They can be used for safety-oriented tasks according to IEC 61508 up to SIL 3 and ISO 13849-1 up to PL e.

Safety-related programs are created in the TIA Portal. The STEP 7 Safety engineering tool offers commands, operations and blocks for safety-related programs in the LAD and FBD languages. To this end, there is a library with pre-configured, TÜV-approved blocks for safety-related functions.

- Standard controller with integrated safety functions:
  - Standardized and convenient diagnostic functions for standard and safety
  - Uniform symbols, data consistency, ...
- Modular system with scalable range of CPUs and expandable I/O quantity structure:
  - One engineering for standard and fail-safe automation
  - Use of the standard I/O modules together with the fail-safe I/O modules in the central system
  - Integrated standard PROFINET functionalities for PROFINET controllers and PROFINET iDevice services
  - Connection of distributed standard I/O via field bus such as PROFINET or PROFIBUS
  - F-library certified by the German Technical Inspectorate (TÜV) for all common safety functions
  - Free programming of the safety logic using FBD and LAD
  - Standard-compliant printout of the F-program
- One integrated engineering for both standard and safety from S7-1200 to S7-300/400/1500 and WinAC RTX F:
  - STEP 7 Safety Basic for easy engineering of the CPU 1200 FC
  - STEP 7 Safety Advanced for the entire fail-safe SIMATIC S7 portfolio
- Integrated system diagnosis of the CPUs, for standard and safety:
  - Consistent plain text display of system diagnostic information in the TIA Portal, HMI and web server
  - Messages are updated even if the CPU is in STOP state
  - System diagnostics integrated in the CPU firmware. Configuration by user not required
  - The diagnostics is automatically updated on configuration changes.
- 2 fail-safe compact controllers with graded performances in the versions DC/DC/DC and DC/DC/relay

Characteristics	CPU 1212 FC	CPU 1214 FC	CPU 1215 FC
Variants	DC/DC/DC, DC/DC/relay	DC/DC/DC, DC/DC/relay	DC/DC/DC, DC/DC/relay
Main memory, integrated	100 KB	125 KB	150 KB
Load memory, integrated	2 MB	4 MB	4 MB
Memory card	SIMATIC Memory Card (optional)	SIMATIC Memory Card (optional)	SIMATIC Memory Card (optional)
Standard digital inputs/outputs, integrated	8/6	14/10	14/10
Standard analog inputs, integrated	2	2	2
Standard analog outputs, integrated	-	-	2
Process image	1024 bytes for inputs, 1024 bytes for outputs	1024 bytes for inputs, 1024 bytes for outputs	1024 bytes for inputs, 1024 bytes for outputs
Expansion by signal board	Max. 1	Max. 1	Max. 1
Expansion by signal modules	Max. 2	Max. 8	Max. 8
Expansion by communication modules	Max. 3	Max. 3	Max. 3

# SIMATIC S7-1200 Basic Controllers

## Central processing units

### Fail-safe CPUs

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Ordering data	Article No.	Article No.	
<b>CPU 1212FC</b> <b>Fail-safe compact CPU, DC/DC/DC;</b> integrated program/ data memory 100 KB, load memory 2 MB; supply voltage 24 V DC; Boolean execution times 0.085 µs per operation; 8 digital inputs, 6 digital outputs, 2 analog inputs; expandable by up to 3 communications modules, 2 signal modules, and 1 signal board/communication board; digital inputs can be used as HSC at 100 kHz, 24 V DC digital outputs can be used as pulse outputs (PTO) or pulse-width modulated outputs (PWM) at 100 kHz	6ES7212-1AF40-0XB0	<b>CPU 1215FC</b> <b>Fail-safe compact CPU, DC/DC/DC;</b> integrated program/ data memory 150 KB, load memory 4 MB; supply voltage 24 V DC; Boolean execution times 0.085 µs per operation; 14 digital inputs, 10 digital outputs, 2 analog inputs; 2 analog outputs; expandable by up to 3 communications modules, 8 signal modules, and 1 signal board/communication board; digital inputs can be used as HSC at 100 kHz, 24 V DC digital outputs can be used as pulse outputs (PTO) or pulse-width modulated outputs (PWM) at 100 kHz	6ES7215-1AF40-0XB0
<b>Fail-safe compact CPU, DC/DC/relay;</b> integrated program/ data memory 125 KB, load memory 2 MB; supply voltage 24 V DC; Boolean execution times 0.085 µs per operation; 8 digital inputs, 6 digital outputs (relays), 2 analog inputs; expandable by up to 3 communications modules, 2 signal modules, and 1 signal board/communication board; digital inputs can be used as HSC at 100 kHz	6ES7212-1HF40-0XB0	<b>Fail-safe compact CPU, DC/DC/relay;</b> integrated program/ data memory 150 KB, load memory 4 MB; supply voltage 24 V DC; Boolean execution times 0.085 µs per operation; 14 digital inputs, 10 digital outputs (relays), 2 analog inputs; 2 analog outputs; expandable by up to 3 communications modules, 8 signal modules, and 1 signal board/communication board; Digital inputs can be used as HSC at 100 kHz	6ES7215-1HF40-0XB0
<b>CPU 1214FC</b> <b>Fail-safe compact CPU, DC/DC/DC;</b> integrated program/ data memory 125 KB, load memory 4 MB; supply voltage 24 V DC; Boolean execution times 0.085 µs per operation; 14 digital inputs, 10 digital outputs, 2 analog inputs; expandable by up to 3 communications modules, 8 signal modules, and 1 signal board/communication board; digital inputs can be used as HSC at 100 kHz, 24 V DC digital outputs can be used as pulse outputs (PTO) or pulse-width modulated outputs (PWM) at 100 kHz	6ES7214-1AF40-0XB0	<b>Accessories</b> <b>SIMATIC S7-1200 Fail-Safe Starter Kit</b> With CPU 1212 FC DC/DC/relay; also includes: F-digital input SM 1226 16 x 24 V DC, F-digital output SM 1226 4 x 24 V DC, input simulator, STEP 7 Basic and STEP 7 Safety Basic V16, SIMATIC OPC UA S7-1200 Basic, info material; in Systainer With CPU 1214 FC DC/DC/relay; also includes: F-digital input SM 1226 16 x 24 V DC, F-digital output SM 1226 4 x 24 V DC, input simulator, STEP 7 Safety Basic, SIMATIC OPC UA S7-1200 Basic, info material; in Systainer	<b>6ES7212-1HF41-4YB1</b>  <b>6ES7212-1HF42-4YB1</b>
<b>Fail-safe compact CPU, DC/DC/relay;</b> integrated program/ data memory 125 KB, load memory 4 MB; supply voltage 24 V DC; Boolean execution times 0.085 µs per operation; 14 digital inputs, 10 digital outputs (relays), 2 analog inputs; expandable by up to 3 communications modules, 8 signal modules, and 1 signal board/communication board; digital inputs can be used as HSC at 100 kHz	6ES7214-1HF40-0XB0	<b>Simulator (optional)</b> 14 incoming circuit breakers	6ES7274-1XH30-0XA0
		<b>SIMATIC Memory Card (optional)</b> 4 MB 12 MB 24 MB 256 MB 2 GB 32 GB	<b>6ES7954-8LC03-0AA0</b> <b>6ES7954-8LE03-0AA0</b> <b>6ES7954-8LF03-0AA0</b> <b>6ES7954-8LL03-0AA0</b> <b>6ES7954-8LP03-0AA0</b> <b>6ES7954-8LT03-0AA0</b>

Ordering data	Article No.	Article No.
<b>Extension cable for two-tier configuration</b> For connecting digital/analog signal modules; length 2 m	6ES7290-6AA30-0XA0	
<b>Terminal block (spare part)</b> For CPU 1214FC, DC/DC/DC <ul style="list-style-type: none"> <li>For DI, with 20 screws, tin-coated; 4 units</li> <li>For DO, with 12 screws, tin-coated; 4 units</li> <li>For AI, with 3 screws, gold-plated; 4 units</li> </ul> For CPU 1214FC, DC/DC/relay <ul style="list-style-type: none"> <li>For DI, with 20 screws, tin-coated; 4 units</li> <li>For DO, with 12 screws, tin-coated, coded; 4 units</li> <li>For AI, with 3 screws, gold-plated; 4 units</li> </ul> For CPU 1215FC, DC/DC/DC <ul style="list-style-type: none"> <li>For DI, with 20 screws, tin-coated; 4 units</li> <li>For DO, with 12 screws, tin-coated; 4 units</li> <li>For AI, with 6 screws, gold-plated; 4 units</li> </ul> For CPU 1215FC, DC/DC/relay <ul style="list-style-type: none"> <li>For DI, with 20 screws, tin-coated; 4 units</li> <li>For DO, with 12 screws, tin-coated, coded; 4 units</li> <li>For AI, with 6 screws, gold-plated; 4 units</li> </ul>	6ES7292-1AV30-0XA0 6ES7292-1AM30-0XA0 6ES7292-1BC30-0XA0 6ES7292-1AV30-0XA0 6ES7292-1AM40-0XA0 6ES7292-1BC30-0XA0 6ES7292-1AV30-0XA0 6ES7292-1AM30-0XA0 6ES7292-1BF30-0XB0 6ES7292-1AV30-0XA0 6ES7292-1AM40-0XA0 6ES7292-1BF30-0XB0	<b>STEP 7 Safety Advanced V17</b> <b>Task:</b> Engineering tool for configuring and programming fail-safe user programs for SIMATIC S7-1200 FC, S7-1500F, S7-1500F Software Controller, S7-300F, S7-400F, WinAC RTX F, ET 200SP F Controller and the fail-safe ET 200SP, ET 200MP, ET 200S, ET 200M, ET 200iSP, ET 200pro and ET 200eco I/O <b>Requirement:</b> STEP 7 Professional V17 <b>Note:</b> As of TIA Portal V16, the SIMATIC STEP 7 Safety software is an integral component of the SIMATIC STEP 7 product setup. The functionality of SIMATIC STEP 7 Safety is activated by means of the license key supplied in each case. Floating license for 1 user; license key on USB flash drive Floating license for 1 user; license key for download <sup>1)</sup> ; Email address required for delivery
<b>Front flap set (spare part)</b> For CPU 1214FC For CPU 1215FC	6ES7291-1AB30-0XA0 6ES7291-1AC30-0XA0	<b>STEP 7 Safety Basic V17</b> <b>Task:</b> Engineering tool for configuring fail-safe user programs for SIMATIC S7-1200 FC <b>Requirement:</b> STEP 7 Basic V17 and higher <b>Note:</b> As of TIA Portal V16, the SIMATIC STEP 7 Safety software is an integral component of the SIMATIC STEP 7 product setup. The functionality of SIMATIC STEP 7 Safety is activated by means of the license key supplied in each case. Floating license for 1 user; license key on USB flash drive Floating license for 1 user; license key for download <sup>1)</sup> ; email address required for delivery
<b>RJ45 cable grip</b> 4 units per pack Single port Dual port	6ES7290-3AA30-0XA0 6ES7290-3AB30-0XA0	6ES7833-1FA17-0YA5 6ES7833-1FA17-0YH5 6ES7833-1FB17-0YA5 6ES7833-1FB17-0YH5

<sup>1)</sup> For up-to-date information and download availability, see: <http://www.siemens.com/tia-online-software-delivery>

# SIMATIC S7-1200 Basic Controllers

## Central processing units

### Fail-safe CPUs

#### Technical specifications

Article number	6ES7212-1AF40-0XB0	6ES7212-1HF40-0XB0	6ES7214-1AF40-0XB0	6ES7214-1HF40-0XB0	6ES7215-1AF40-0XB0	6ES7215-1HF40-0XB0
	CPU 1212FC, DC/DC/DC, 8DI/6DO/2AI	CPU 1212FC, DC/DC/Relay, 8DI/6DO/2AI	CPU 1214 FC, DC/DC/DC, 14DI/10DO/2AI	CPU 1214FC, DC/DC/Relay, 14DI/10DO/2AI	CPU 1215 FC, DC/DC/DC, 14DI/10DO/2AI/2AO	CPU 1215 FC, DC/DC/RLY, 14DI/10DO/2AI/2AO
<b>General information</b>						
Product type designation	CPU 1212FC DC/DC/DC	CPU 1212FC DC/DC/relay	CPU 1214FC DC/DC/DC	CPU 1214FC DC/DC/Relay	CPU 1215FC DC/DC/DC	CPU 1215FC DC/DC/relay
<b>Engineering with</b>						
• Programming package	STEP 7 V17 or higher	STEP 7 V17 or higher	STEP 7 V17 or higher	STEP 7 V17 or higher	STEP 7 V17 or higher	STEP 7 V17 or higher
<b>Supply voltage</b>						
Rated value (DC)						
• 24 V DC	Yes	Yes	Yes	Yes	Yes	Yes
<b>Encoder supply</b>						
<b>24 V encoder supply</b>						
• 24 V	L+ minus 4 V DC min.	L+ minus 4 V DC min.	L+ minus 4 V DC min.	L+ minus 4 V DC min.	L+ minus 4 V DC min.	L+ minus 4 V DC min.
<b>Memory</b>						
<b>Work memory</b>						
• integrated	100 kbyte	100 kbyte	125 kbyte	125 kbyte	150 kbyte	150 kbyte
<b>Load memory</b>						
• integrated	2 Mbyte	2 Mbyte	4 Mbyte	4 Mbyte	4 Mbyte	4 Mbyte
• Plug-in (SIMATIC Memory Card), max.	with SIMATIC memory card	with SIMATIC memory card	with SIMATIC memory card	with SIMATIC memory card	with SIMATIC memory card	with SIMATIC memory card
<b>Backup</b>						
• without battery	Yes	Yes	Yes	Yes	Yes	Yes
<b>CPU processing times</b>						
for bit operations, typ.	0.08 µs; / instruction	0.08 µs; / instruction	0.08 µs; / instruction	0.08 µs; / instruction	0.08 µs; / instruction	0.08 µs; / instruction
for word operations, typ.	1.7 µs; / instruction	1.7 µs; / instruction	1.7 µs; / instruction	1.7 µs; / instruction	1.7 µs; / instruction	1.7 µs; / instruction
for floating point arithmetic, typ.	2.3 µs; / instruction	2.3 µs; / instruction	2.3 µs; / instruction	2.3 µs; / instruction	2.3 µs; / instruction	2.3 µs; / instruction
<b>Data areas and their retentivity</b>						
<b>Flag</b>						
• Size, max.	4 kbyte; Size of bit memory address area	4 kbyte; Size of bit memory address area	8 kbyte; Size of bit memory address area	8 kbyte; Size of bit memory address area	8 kbyte; Size of bit memory address area	8 kbyte; Size of bit memory address area
<b>Address area</b>						
<b>Process image</b>						
• Inputs, adjustable	1 kbyte	1 kbyte	1 kbyte	1 kbyte	1 kbyte	1 kbyte
• Outputs, adjustable	1 kbyte	1 kbyte	1 kbyte	1 kbyte	1 kbyte	1 kbyte
<b>Time of day</b>						
<b>Clock</b>						
• Hardware clock (real-time)	Yes	Yes	Yes	Yes	Yes	Yes
<b>Digital inputs</b>						
Number of digital inputs	8; Integrated	8; Integrated	14; Integrated	14; Integrated	14; Integrated	14; Integrated
• of which inputs usable for technological functions	4; HSC (High Speed Counting)	4; HSC (High Speed Counting)	6; HSC (High Speed Counting)	6; HSC (High Speed Counting)	6; HSC (High Speed Counting)	6; HSC (High Speed Counting)
<b>Digital outputs</b>						
Number of digital outputs	6	6; Relays	10	10; Relays	10	10; Relays
• of which high-speed outputs	4; 100 kHz Pulse Train Output		4; 100 kHz Pulse Train Output		4; 100 kHz Pulse Train Output	
<b>Analog inputs</b>						
Number of analog inputs	2	2	2	2	2	2
<b>Input ranges</b>						
• Voltage	Yes	Yes	Yes	Yes	Yes	Yes
<b>Analog outputs</b>						
Number of analog outputs	0	0	0	0	2	2
<b>Output ranges, current</b>						
• 0 to 20 mA					Yes	Yes

# SIMATIC S7-1200 Basic Controllers

## Central processing units

Fail-safe CPUs

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### Technical specifications

Article number	6ES7212-1AF40-0XB0	6ES7212-1HF40-0XB0	6ES7214-1AF40-0XB0	6ES7214-1HF40-0XB0	6ES7215-1AF40-0XB0	6ES7215-1HF40-0XB0
	CPU 1212FC, DC/DC/DC, 8DI/6DO/2AI	CPU 1212FC, DC/DC/Relay, 8DI/6DO/2AI	CPU 1214 FC, DC/DC/DC, 14DI/10DO/2AI	CPU 1214 FC, DC/DC/Relay, 14DI/10DO/2AI	CPU 1215 FC, DC/DC/DC, 14DI/10DO/2AI/2AO	CPU 1215 FC, DC/DC/RLY, 14DI/10DO/2AI/2AO
<b>1. Interface</b>						
Interface type	PROFINET	PROFINET	PROFINET	PROFINET	PROFINET	PROFINET
<b>Protocols</b>						
• PROFINET IO Controller	Yes	Yes	Yes	Yes	Yes	Yes
• PROFINET IO Device	Yes	Yes	Yes	Yes	Yes	Yes
• SIMATIC communication	Yes	Yes	Yes	Yes	Yes	Yes
• Open IE communication	Yes; Optionally also encrypted	Yes; Optionally also encrypted	Yes; Optionally also encrypted	Yes; Optionally also encrypted	Yes; Optionally also encrypted	Yes; Optionally also encrypted
• Web server	Yes	Yes	Yes	Yes	Yes	Yes
• Media redundancy	No	No	No	No	Yes; as MRP client	Yes
<b>Protocols</b>						
<b>Open IE communication</b>						
• TCP/IP	Yes	Yes	Yes	Yes	Yes	Yes
• ISO-on-TCP (RFC1006)	Yes	Yes	Yes	Yes	Yes	Yes
• UDP	Yes	Yes	Yes	Yes	Yes	Yes
<b>Web server</b>						
• supported	Yes	Yes	Yes	Yes	Yes	Yes
<b>OPC UA</b>						
• OPC UA Server	Yes; data access (read, write, subscribe), method call, runtime license required	Yes; data access (read, write, subscribe), method call, runtime license required	Yes; data access (read, write, subscribe), method call, runtime license required	Yes; data access (read, write, subscribe), method call, runtime license required	Yes; data access (read, write, subscribe), method call, runtime license required	Yes; data access (read, write, subscribe), method call, runtime license required
<b>communication functions / header</b>						
<b>S7 communication</b>						
• supported	Yes	Yes	Yes	Yes	Yes	Yes
<b>Number of connections</b>						
• overall	PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 30 max; OPC UA Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max	PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 30 max; OPC UA Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max	PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 30 max; OPC UA Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max	PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 30 max; OPC UA Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max	PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 30 max; OPC UA Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max	PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 30 max; OPC UA Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max
<b>Integrated Functions</b>						
Counter						
• Number of counters	6	6	6	6	6	6
• Counting frequency, max.	100 kHz	100 kHz	100 kHz	100 kHz	100 kHz	100 kHz
Frequency measurement						
controlled positioning	Yes	Yes	Yes	Yes	Yes	Yes
Number of position-controlled positioning axes, max.						
	8	8	8	8	8	8
Number of positioning axes via pulse-direction interface						
	Up to 4 with SB 1222	Up to 4 with SB 1222	4; With integrated outputs	Up to 4 with SB 1222	4; With integrated outputs	Up to 4 with SB 1222
PID controller						
	Yes	Yes	Yes	Yes	Yes	Yes
Number of alarm inputs						
	4	4	4	4	4	4
Number of pulse outputs						
	4		4		4	
Limit frequency (pulse)						
	100 kHz		100 kHz		100 kHz	

# SIMATIC S7-1200 Basic Controllers

## Central processing units

### Fail-safe CPUs

#### Technical specifications

Article number	6ES7212-1AF40-0XB0	6ES7212-1HF40-0XB0	6ES7214-1AF40-0XB0	6ES7214-1HF40-0XB0	6ES7215-1AF40-0XB0	6ES7215-1HF40-0XB0
	CPU 1212FC, DC/DC/DC, 8DI/6DO/2AI	CPU 1212FC, DC/DC/Relay, 8DI/6DO/2AI	CPU 1214 FC, DC/DC/DC, 14DI/10DO/2AI	CPU 1214 FC, DC/DC/Relay, 14DI/10DO/2AI	CPU 1215 FC, DC/DC/DC, 14DI/10DO/2AI/2AO	CPU 1215 FC, DC/DC/RLY, 14DI/10DO/2AI/2AO
<b>Ambient conditions</b>						
<b>Ambient temperature during operation</b>						
• min.	0 °C	0 °C	0 °C	0 °C	0 °C	0 °C
• max.	55 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical	55 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical	55 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical	55 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical	55 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical	55 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical
<b>Pollutant concentrations</b>						
• SO <sub>2</sub> at RH < 60% without condensation	SO <sub>2</sub> : < 0.5 ppm; H <sub>2</sub> S: < 0.1 ppm; RH < 60% condensation-free	SO <sub>2</sub> : < 0.5 ppm; H <sub>2</sub> S: < 0.1 ppm; RH < 60% condensation-free	SO <sub>2</sub> : < 0.5 ppm; H <sub>2</sub> S: < 0.1 ppm; RH < 60% condensation-free	SO <sub>2</sub> : < 0.5 ppm; H <sub>2</sub> S: < 0.1 ppm; RH < 60% condensation-free	SO <sub>2</sub> : < 0.5 ppm; H <sub>2</sub> S: < 0.1 ppm; RH < 60% condensation-free	SO <sub>2</sub> : < 0.5 ppm; H <sub>2</sub> S: < 0.1 ppm; RH < 60% condensation-free
<b>configuration / header</b>						
<b>configuration / programming / header</b>						
<b>Programming language</b>						
- LAD	Yes; incl. failsafe	Yes; incl. failsafe	Yes; incl. failsafe	Yes; incl. failsafe	Yes; incl. failsafe	Yes; incl. failsafe
- FBD	Yes; incl. failsafe	Yes; incl. failsafe	Yes; incl. failsafe	Yes; incl. failsafe	Yes; incl. failsafe	Yes; incl. failsafe
- SCL	Yes	Yes	Yes	Yes	Yes	Yes
<b>Dimensions</b>						
Width	90 mm	90 mm	110 mm	110 mm	130 mm	130 mm
Height	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
Depth	75 mm	75 mm	75 mm	75 mm	75 mm	75 mm
<b>Weights</b>						
Weight, approx.	370 g	385 g	415 g	435 g	500 g	585 g