

# Axioline F – A high-performance I/O and control system for CID2 and IS (intrinsically safe) applications

Axioline F provides application flexibility in I/O and control solutions for all environments. The XC/EX provides a solution for extreme and/or hazardous conditions to meet whatever environmental demands your application requires. The XC I/O has CID2 approval for installation in Zone 2 control cabinets, and on the reverse side, the EX I/O provides additional intrinsic protection for I/O signals installed in Zone 1 and 0 environments.

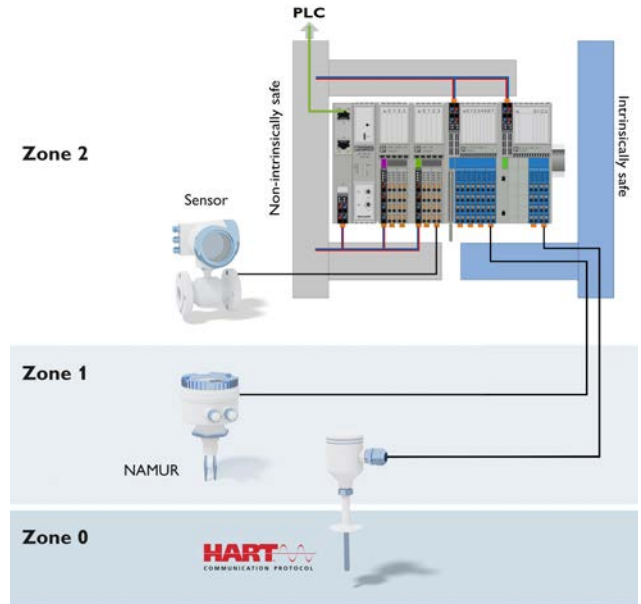


Approvals: UL-Ex Listed / cUL-Ex Listed / IECEx / ATEX			
Operation temperature: -25 °C ... 60 °C: Applications with UL approval, used in Zone 2 potentially explosive areas			
Simple station configuration and diagnostics using free STARTUP + (2700636 ) utility			
Item code	Designation	Function	Width
<b>CONTROLLER</b>			
2404267	AXC F 2152	Axioline F, controller, Modbus TCP and PROFINET remote I/O, PLCnext Engineer programmed	44 mm
<b>BUS INTERFACES</b>			
1167192	AXL F BK EIP XC	Axioline F network interface for EtherNet/IP™	44 mm
2701949	AXL F BK ETH XC	Axioline F network interface for Modbus/TCP (UDP)	44 mm
1068857	AXL F BK PN TPS XC	Axioline F network interface for PROFINET	44 mm
<b>DIGITAL I/O</b>			
2701224	AXL F DI16/4 XC 2F	16 digital inputs, 24 V DC, 4-conductor connection technology	53.6 mm
1052427	AXL F DI16 NAM XC 1F	16 digital inputs (NAMUR), 8 V DC, 2-conductor connection technology	53.6 mm
2701228	AXL F DO16/3 XC 2F	16 digital outputs, 24 V DC, 500 mA, 3-conductor connection technology	53.6 mm
2702017	AXL F DI8/1 DO8/1 XC 1H	8 digital inputs, 8 digital outputs, 24 V DC, 500 mA, 1-conductor connection technology	35 mm
<b>ANALOG I/O (16 BIT RESOLUTION)</b>			
2702007	AXL F AI4 I XC 1H	4 analog inputs: 0 - 20 mA, 4 - 20 mA, ±20 mA	35 mm
2702008	AXL F AI4 U XC 1H	4 analog inputs: 0 - 5 V, ±5 V, 0 - 10 V, ±10 V	35 mm
1052434	AXL F AI8 HART XC 1F	8 analog inputs (HART): 4 mA ... 20 mA, 2-conductor* connection technology	53.6 mm
2702153	AXL F AO4 XC 1H	4 analog outputs: 0 - 10 V, ±10 V, 0 - 5 V, ±5 V, 4 - 20 mA	35 mm
1087080	AXL F AO4 HART XC 1F	4 analog outputs (HART): 0 mA ... 20 mA, 4 mA ... 20 mA, 2-conductor* connection technology	53.6 mm
<b>TEMPERATURE MEASUREMENT</b>			
1035430	AXL F RTD4 XC 1H	4 RTD inputs: (Type Pt, Ni, KTY, Cu )	35 mm
2702464	AXL F UTH8 XC 1F	8 UTH inputs: (Type U, T, L, J, E, K, N, S, R, B, C, W, HK)	35 mm
<b>SPECIAL FUNCTION</b>			
2701239	AXL F CNT2 INC2 XC 1F	Function modules, 2 counter inputs, 2 incremental encoder inputs	35 mm
2702006	AXL F RS UNI XC 1H	Communication module, interface: RS-232, RS-485, RS-422	35 mm

\*HART functionality is limited with bus interfaces. Advanced features can be achieved with the controller.

# Axioline (EX) intrinsically safe I/O

Intrinsically safe I/O modules are designed to be installed in Zone 2 control cabinets and are suitable for the connection of sensors and actuators installed in Zone 1 and 0 environments. Additionally, this family of I/O features HART and NAMUR functionality, making it particularly suitable for hybrid applications needing both process and traditional I/O. The flexibility of Axioline F allows traditional I/O modules to be combined with intrinsically safe modules to form a single PLC or distributed I/O station. Combining these I/O types on a single station can greatly reduce the overall application costs and reduce footprint inside the control cabinet. Spacing requirements between safe and non-safe I/O are achieved in the design of these EX modules with the inclusion of partition plates between I/O and with strategic placement on I/O power connections.



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DIGITAL I/O			
1052423	AXL F EX IS DI16 NAM XC 1F	16 digital inputs (NAMUR), 8 V DC, 2-conductor connection technology	53.6 mm
1086901	AXL F EX IS DO4 SD 24-48 XC 1F	4 digital outputs, 24 V DC – 48mA, 2-conductor technology	53.6 mm
1086902	AXL F EX IS DO4 SD 21-60 XC 1F	4 digital outputs, 21 V DC – 60mA, 2-conductor technology	53.6 mm
ANALOG I/O (16 BIT RESOLUTION)			
1052432	AXL F EX IS AI8 HART XC 1F	8 analog inputs (HART): 4 mA ... 20 mA, 2-conductor* connection technology	53.6 mm
1087081	AXL F EX IS AO4 HART XC 1F	4 analog outputs (HART): 0 mA ... 20 mA, 4 mA ... 20 mA, 2-conductor * connection technology	53.6 mm

