

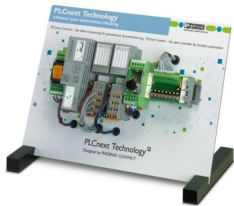
# AXC F 2152 STARTERKIT - Starter kit



1046568

<https://www.phoenixcontact.com/us/products/1046568>

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AXC F 2152 starter kit including PLCnext Control AXC F 2152, voltage switch, digital input and output module, analog input and output module, potentiometer, switch module, PROFICLOUD license, as well as a power supply unit, patch cable, country-specific adapter plugs, and documentation.

## Product description

Would you like to try out the operating principle, handling, and high performance of PLCnext Technology in a small-scale application first? Phoenix Contact can provide you with a starter kit for this, complete with pre-installed components for your test applications. Upon ordering the starter kit, you will receive one year's exclusive free access to the Phoenix Contact PROFICLOUD. This will give you an opportunity to discover all the benefits of professional cloud solutions, in addition to the new open control platform.

## Your advantages

- Quick application development: several developers work independently in different programming languages
- Convenient engineering with your favorite programming tools
- PLC-typical real-time performance and data consistency, also for high-level languages and model-based code
- Limitless adaptation capabilities, thanks to the quick and easy integration of open-source software, apps, and future technologies
- Intelligent networking, thanks to cloud connection and the integration of current and future communication standards

## Commercial data

Item number	1046568
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR09
Product key	DRADAC
GTIN	4055626641782
Weight per piece (including packing)	2,480 g
Weight per piece (excluding packing)	2,087 g
Customs tariff number	85371091
Country of origin	DE

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## Set consists of

### AXC F 2152 - Controller

2404267

<https://www.phoenixcontact.com/us/products/2404267>



Controller (SPS), PLCnext Control; Programming: High-level language and IEC 61131-3; Operating system: Yocto/Linux® (real-time); Programming tool: PLCnext Engineer, Eclipse®, Visual Studio®, MATLAB®/ Simulink®; IoT connection: PROFICLOUD and every cloud via cloud connectors; Development process certified in accordance with IEC 62443-4-1, Product certified in accordance with IEC 62443-4-2 (Certification conditions see user documentation); Processor: Arm® Cortex®-A9, 2x 800 MHz.

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### AXL F DI8/1 DO8/1 1H - Digital module

2701916

<https://www.phoenixcontact.com/us/products/2701916>



Axioline F, Digital I/O module, Digital inputs: 8, 24 V DC, connection technology: 1-conductor, Digital outputs: 8, 24 V DC, 500 mA, connection technology: 1-conductor, transmission speed in the local bus: 100 Mbps, degree of protection: IP20, including bus base module and Axioline F connectors

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## AXL F AI2 AO2 1H - Analog module

2702072

<https://www.phoenixcontact.com/us/products/2702072>



Axioline F, Analog I/O module, Analog inputs: 2, 0 V ... 5 V, -5 V ... 5 V, 0 V ... 10 V, -10 V ... 10 V, 0 mA ... 20 mA, 4 mA ... 20 mA, -20 mA ... 20 mA, connection technology: 2-conductor, Analog outputs: 2, 0 V ... 5 V, -5 V ... 5 V, 0 V ... 10 V, -10 V ... 10 V, 0 mA ... 20 mA, 4 mA ... 20 mA, -20 mA ... 20 mA, connection technology: 2-conductor, transmission speed in the local bus: 100 Mbps, degree of protection: IP20, including bus base module and Axioline F connectors

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## CLOUD CREDIT-1 - License

2402989

<https://www.phoenixcontact.com/us/products/2402989>

Runtime license for using devices in the PROFICLOUD, credit: 8760 units



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## FL CAT5 PATCH 2,0 - Patch cable

2832289

<https://www.phoenixcontact.com/us/products/2832289>

Patch cable, CAT5, assembled, 2 m



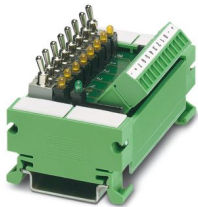
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## UM 45-IB-DI/SIM8 - Termination board

2962997

<https://www.phoenixcontact.com/us/products/2962997>

VARIOFACE switch module, with COMBICON connector, for simulation, for 8 signals, for mounting DIN rail NS 35



## Technical data

### Product properties

Product type	Starter kit
Product family	Axioline
Type	Axioline

### System properties

Flash memory	512 Mbyte SD card from Phoenix Contact (for external flash memory, see accessories)
Retentive data storage	48 kByte (NVRAM)
RAM	512 Mbyte DDR3 SDRAM

### IEC 61131 runtime system

Program memory	8 Mbyte
Data storage system	16 Mbyte

### Axioline

Amount of process data	max. 8192 bit (per station)
	max. 4096 bit (Axioline F local bus (input))
	max. 4096 bit (Axioline F local bus (output))
Number of supported devices	max. 63 (per station)
Number of local bus devices that can be connected	max. 63 (observe current consumption)

### INTERBUS-Master

Amount of process data (Axioline input/output data max.)	max. 8192 bit (per station)
Amount of process data (Axioline input data max.)	max. 4096 bit (Axioline F local bus (input))
Amount of process data (Axioline output data max.)	max. 4096 bit (Axioline F local bus (output))

### PROFINET

Device function	PROFINET controller, PROFINET device
Specification	Version 2.3
Update rate	min. 1 ms (4 devices)
	min. 16 ms (64 devices)
Process data width	64 Byte ... 512 Byte
Conformance Class	A
Number of supported devices	max. 64 (at PROFINET controller)
Supported functions	MRP
	MRP
Device ID	0142 <sub>hex</sub>
Vendor ID	00B0 <sub>hex</sub>

### Functionality

Programming languages supported	Programming in acc. with IEC 61131-3
	C++

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	C#
	Java
	Manufacturer-specific

## System requirements

Application interface	OPC UA®
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## Electrical properties

### Real-time clock

Description realtime clock	1.73 s/day = 20 ppm at 25 °C
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### Potentials

Protective circuit	Surge protection of the supply voltage; electronic
	Polarity reversal protection of the supply voltage; electronic

## Interfaces

Web server	yes
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## Mounting

Mounting type	DIN rail mounting
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## Classifications

### ECLASS

ECLASS-13.0	27242219
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)

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