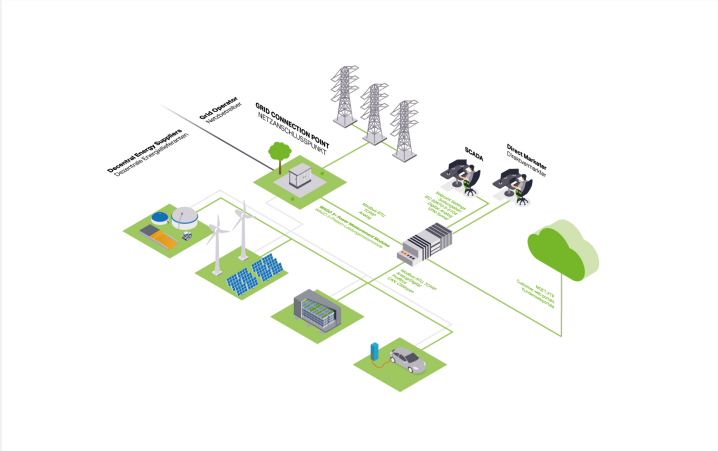
Data Sheet | Item Number: 2759-203/211-1000

Library Power Plant Control; VDE-AR-N 4110 / 4120; unlimited; Single License; Online activation

https://www.wago.com/2759-203/211-1000



The WAGO Library Power Plant Control is a library with a control algorithm for the active and/or reactive power of power generation plants.

The control algorithm required by the grid operator for managing active and/or reactive power, along with the associated setpoint specifications, can be adapted during operation. This adaptation can be achieved, for example, through telecontrol technology in accordance with IEC 60870. The controller compares the specified setpoint values with the actual values measured at the network connection point and provides the calculated manipulated variables for the energy generation plant.

The CODESYS 3.5 library can be used with firmware version 23 and higher on PFC200 Controllers (FW 23 and higher), Compact Controller (FW 23 and higher), Edge-Controller (FW 24 and higher), Touch Panel 600 (FW 24 and higher) and PFC300 Controllers (FW 28 and higher). It is certified according to VDE-AR-N 4110, 4120 or 4130.

The library can be used for a 30-day trial period, after which a license for the specific controller is required. The license can be separately purchased under item number 2759-203/211-1000.

Functions:

- P_{fix}, Q_{fix}: Fixed active/reactive power specifications
- $P_{(f)}$: Frequency-dependent active power regulation
- $P_{(Uoff)}$: Active power ramp – restart after network failure
- $Q_{(P)}$: Reactive power control per active power characteristic
- $Q_{(U)}$: Reactive power control per voltage characteristic
- $Q_{(Udb)}$: Reactive power control per voltage characteristic with voltage limiting function
- $\cos\phi_{fix}$: Fixed displacement factor specification
- P_{SM}, Q_{SM}: Slave mode, looping through the external active/reactive power specifications

Certification Available For:
Germany (VDE-AR-N 4110:2023-09; VDE-AR-N 4120:2018-11; VDE-AR-N 4130:2018-11)
Poland

Software data

Supported devices	PFC200 Controller; 2nd Generation Controller PFC300 Compact Controller 100 Edge Controller Touch Panel 600

Delivery

License type	Single license for unlimited system size
Delivery type	License certificate per email
License type (note)	The single license allows installation on one controller. One license per controller is required.
License type (note) (2)	Internet connection may be required for license activation.
License generation	DRM

Commercial data

PU (SPU)	1 pcs
Packaging type	not specified
Country of origin	QU
GTIN	4055143926096
Customs tariff number	88888888888

Product Classification

ETIM 10.0	EC001435
UNSPSC	43232402
ETIM 9.0	EC001435
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2759-203/211-1000	

Documentation

Manual

WAGO Power Plant Control Library WagoAppPowerPlantControlBase 1.1.0.0 and WagoAppPowerPlantControl Library description	2.0.0 23.11.2023	pdf 11495.29 KB	
WAGO Power Plant Control; Library WagoAppPowerPlantControlBase 1.0.0.0 und WagoAppPowerPlantControl; EZA-Regler; Bibliotheksbeschreibung	1.17.0 20.03.2023	pdf 3821.82 KB	

System Description

Solutions, General Product Information	pdf 321.72 KB	

Continued on next page

Additional Information		
Infopaket WAGO App Power Plant Control	zip 93721.56 KB	

Bid Text		
2759-203/211-1000	xml 6.27 KB	
2759-203/211-1000	docx 18.59 KB	