

Desigo CC Control System Data



EU Data sharing information

On 11 January 2024, the EU Data Act, a central component of the European data strategy, entered into force.

The following information gives you an overview of the data of our products and which are available to you.

TYPE, FORMAT, AND ESTIMATED AMOUNT OF PRODUCT DATA THAT CAN BE GENERATED

Data type	Data format	Estimated size
Current process values	Binary	Up to 5M updates per day
Engineered datapoints and object hierarchies	Binary	Size according to customer's project (created during engineering)
Event and alarm data	Binary	Up to 80000 alarms per day
Historical data (values, alarms, activities, notification, power)	Binary	Up to 6M records per day
Application data (e.g. graphics, BIM, libraries, logics)	Binary, XML, SVG, JSON	Size according to customer's project (created during setup / engineering)
Copy of imported data sources	Binary, XML, CSV	Size according to customer's project (created during engineering)
Logs	Text	100-10000 lines per day

Continuous and real-time data generation

The Desigo CC system can generate data continuously and in real time. The Data collection is continuous throughout operation. The CPU works with defined cycle times in which process data is recorded and processed.

DATA STORAGE AND STORAGE PERIOD

Local data storage

The Desigo CC system stores data on physical disks or cloud services (depending on application/setup).

Local Data Storage	Capacities	Storage Duration
Current process values	50-250 MB	Persistent (permanent)
Engineered datapoints and object hierarchies	50-150 MB	Persistent (permanent)
Event and alarm data	Up to 140 MB	Persistent (permanent)
Historical data (values, alarms, activities, notification, power)	Size according to DB configuration	Persistent (permanent)
Application data (graphics, BIM, libraries)	Size according to customer's project	Persistent (permanent)
Copy of imported data sources (config files, SibX)	Size according to customer's project	Persistent (permanent)
Logs	Ring buffer with limit of 50MB per file	Persistent (permanent)

Remote data storage

Data transmission to external systems is possible via the BuildingX connector Extension module. The Desigo CC systems can send data to various remote systems, e.g. 3rd party logging databases, cloud platforms (BuildingX).

The storage period on external systems depends on the configuration of the respective system.

ACCESS / RETRIEVAL, DELETION OF DATA, TERMS OF USE AND QUALITY OF SERVICE

Type of data	Access/retrieval via	Terms of Use	Quality of Service*
Current process values	Installed client Browser client Northbound APIs	User Authentication and Authorization in DesigoCC	Encrypted data transmission Encrypted persistence of confidential information
Engineered datapoints and object hierarchies	Installed client Browser client Northbound APIs	User Authentication and Authorization in DesigoCC	
Event and alarm data	Installed client Browser client Northbound APIs	User Authentication and Authorization in DesigoCC	
Historical data (values, alarms, activities, notification, power)	Installed client Browser client Northbound APIs	User Authentication and Authorization in DesigoCC	
Application data (graphics, BIM, libraries)	Installed client Browser client Northbound APIs WebDAV File System	User Authentication and Authorization in DesigoCC User Authentication and Authorization to the server	
Copy of imported data sources (config files, SibX)	File System	User Authentication and Authorization to the server	
Logs	File System	User Authentication and Authorization to the server	

* "Quality of Service" refers to the ability of the products to efficiently manage data and ensure that security requirements are met during data transmission and persistence.

Deletion of data

Data deletion from the system is carried out at the customer's discretion, based on their specific needs. The responsibility for data removal rests entirely with the customer. The data removal on external systems depends on the configuration of the respective system.