



MyDrive Insight

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1 Introduction to Application Guide

1.1 Version History

This guide is regularly reviewed and updated. All suggestions for improvement are welcome.

The original language of this guide is English.

Version	Remarks
01	First version. Information in this version of the guide corresponds to application software version 2.11.2.

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2 PC Control

2.1 MyDrive® Insight

MyDrive® Insight is a platform-independent software tool that supports the commissioning, engineering, and monitoring of iC7 series. Some of the key features include:

- Fast and easy configuration and commissioning.
- Monitor the drives as part of daily operations.
- Collect data and information for troubleshooting, maintenance, and service.
- Discovery and access to multiple drives in a network.
- Intuitive user interface.
- Notifications and visualizations of real time information and events about the drive.
- PC control to perform operations such as starting or stopping the drive, set references, set direction, reset, and coast of the drive.
- Perform updates on single or multiple drives.
- Backup and restore of parameter settings.
- Data logging and analyzing for troubleshooting.

NOTICE

This chapter applies to MyDrive® Insight version 2.8.0 or above. Please make sure to uninstall lower versions of MyDrive® Insight from your device to utilize the latest MyDrive® Insight functions.

The section MyDrive® Insight in the application guide covers basic information such as getting started with MyDrive® Insight, accessing and viewing or changing the parameters, and PC control to operate the drive using MyDrive® Insight. For further information on the different MyDrive screens, integrated help within MyDrive® Insight will be available in future releases.

2.1.1 Getting Started with MyDrive Insight

As a prerequisite, ensure that MyDrive® Insight is installed on the device (PC or laptop). MyDrive® Insight can be downloaded and installed from MyDrive® Suite, available here: https://suite.mydrive.danfoss.com/ Procedure

1. To establish a point-to-point connection between the drive and the device, use the communication interface X0 and the RJ45 Ethernet port on the device by using a standard Ethernet cable.

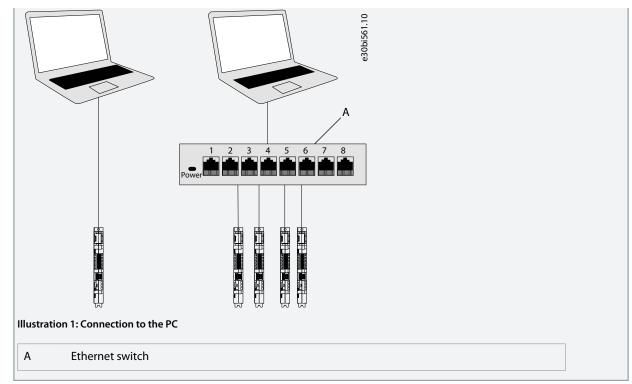
If the device does not have an RJ45 Ethernet port or it is already in use, then a conventional adapter from USB-C to RJ45 can be used. To connect several drives at the same time, use an Ethernet switch between the PC and the control unit.

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- 2. When the drive is powered up and in *Ready* state, open MyDrive[®] Insight on the device and the drive is recognized.
- 3. To establish or confirm the connection, click the arrow button.

Overview		ic7-136b7309				bj746		
ic7-136b7309 Not connected	>	HOSTNAME	CONNECTION INFO	PROTOCOL	INTERFACE	e30bj7		
		ic7-136b7309	169.254.146.204:2020	TCP	xo			

Once the connection is established, the drive is marked with a connection symbol (green color) in MyDrive[®] Insight as shown.



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PC Control

4. Select the required interaction for the drive. In this example, the *Device Info* screen is shown.

← ic7-136b730911955	 Device info ic7-136b7309119 	9552g451 🗙 ଝ REM L 🕼 🔺 🌲 🛛 Fault ! Start Inhibited		□ ≯	
Device info	> Control board -	Industry			^
Graphs and Reports	> Application				^
Setup & Service	> Application Application		IC7 Parameter Interface Version	1.9.0-stepup-FW221.3	
Events	Firmware				^
Customization	> Firmware N	ame ControlEthernet	Firmware Version	2.2.0	
	Hardware				^
	Board Serial MAC Addres		MAC Address X1/X2	00:1B:08:32:44:F1	
	BasicIO				^
	Firmware N Firmware Ve Slot Assignr	ersion 2.2.0-alpha.54	Brand Board Serial Number	Danfoss 0173416091	
	Slot 300 - Integ	ratedPower			^
	Firmware				^
	Firmware Na Firmware Ve	-	Slot Assignment	300	
	Hardware				^
	Brand Board Serial	Danfoss Number 0125506091	Product Power Unit Identification Product Power Unit Data Version	IC7_60_FX02_3N05_2A4 1.0.2	
1	Slot 501 - Contr	rolPanel			^
	Firmware				^
istration 4: Device l	nfo				
		ΝΟ	ΤΙΟΕ		
he application gu	ide covers b	asic information such as ac	cessing parameters and us	ing the PC control in MyDrive	e® Ir

2.1.2 Accessing Parameters and Understanding Parameter Screens in MyDrive Insight

Viewing and Changing Parameters

1. To access the parameters of the connected drive, click Setup and Service.

2. Click Parameters \rightarrow Live as shown.



Illustration 5: Setup and Service

Parameter Screen Overview

The following is an overview of the Parameters (Live) screen in MyDrive® Insight.

MyDrive Insight

Application Guide

Live devices •	1	•	• ic7-136b7309032955g172 × ☎ REM	 Start Blocked 		• (4)(5		× Favorites •	Ŧ
All devices			Q Search (2)					90	:	ic7-136b7309032955g172	
ic7-136b7309032955g172 169.254.79.207:2020	41	~ -	III Overview	INDEX	NAME	VALUE 3	DEFAULT	MIN	MAX	Select all	5)
Device info				1.1.1	Grid Frequency	50.1		-590.0	590.0	1.2.1 Grid Type (2942)	-
		× ^	■ 1 Grid (1)	1.1.2							
 Live 			2 Power Conversion & DC Link	1.1.3	L1-L2 Line Voltage (RMS)	190.9		0.0	1000.0	1.3.1 Invalid Frequency Respons.	
Graphs and reports		~		1.1.4	L2-L3 Line Voltage (RMS)	190.5		0.0	1000.0	Trip	
Setup and service		~ ^	3 Filters & Brake Chopper	1.1.5	L3-L1 Line Voltage (RMS)	381.5		0.0	1000.0		
Parameters		~	a Motor	1.1.6	Grid Voltage Imbalance	50.0		0.0	100.0	Warning	
	Inderports Image: Control of the subsection solution solutin solution solution solutin solution solution solutin solu										
 Live 		^	 5 Application 	1.1.12	Grid Active Power			-6470.00	6470.00	Enable	
Interface configuration		^	6 Maintenance & Service	1.2.1	Grid Type	TN	TN	0	5		
Functional safety			7 Functional Safety	1.2.2	RFI Relay Mode	As per grid type selection	As per grid type	0	2		
			 Protoconal safety 	1.3.1	Invalid Frequency Response	Trip	Trip	1	2		
Levents		^ ^	8 Customization	1.3.2	Missing Phase Response	Warning	Trip	1	3		
Customization		~ _	91/0	1.3.3	Undervoltage Protection	Enable	Enable	False	True		
			_	1.3.9	Grid Voltage Imbalance Mode	Fault or Warning	Fault or Warning	0	2		
		^	10 Connectivity	1.3.10	Grid Spike Response	Warning	Warning Warning 1	2			
				2.1.1	Unit Nominal Voltage	415.0	415.0	0.0	1000.0		
				2.1.2	Unit Nominal Current	3.00	3.00	0.00	9.00		
				2.1.3	DC-Link Voltage	529.9		0.0	1100.0		
				2.1.7	DC-Link Power	0.00		-6470.00	6470.00		
				2.1.10	U-phase RMS current			0.00	9.00		
				2.1.11	V-phase RMS current	0.00		0.00	9.00		
				2.1.12	W-phase RMS current	0.00		0.00	9.00		i
				2.1.14	Output Current Limit %	150.0		0.0	300.0		
				2.1.15	Heat Sink Temperature	29.8		-50.0	200.0		
				2.1.16	Main Fan Speed	3585		0	32767		
				2.1.17	Internal Fan Speed	0		0	32767		
				2.1.19	Heat Sink Temperature Output	Basic I/O T16	None	0	29999		
				2.1.20	Drive DC-Link Voltage Output	None	None	0	29999		
				2.2.1.1	Unit Voltage Class	Low Voltage Range	Low Voltage Ra	1	3		
				2.2.1.2	Overload Mode	High Overload (HO1)	High Overload (0	3		
				2.2.1.3	Output Current Limit %	150.0	150.0	0.0	200.0		
				2.2.1.5	Supply Mode	AC	AC	0	1		
		 A A B A B A B B C A A A A B A A		2.2.1.7	HF Filter Relay Mode	As per grid type selection	As per grid type	0	2		
				2.2.1.8	Power Limit Motor %	300.00	300.00	0.00	1000.00		

Illustration 6: Parameters (Live)

Table 1: Legend Table

Legend	Name	Description
1	Parameter group	Navigate through the different parameter groups in the drive.
2	Search field	Use the search function to find a specific parameter.
3	Value field	View and change a parameter value or selection. All the parameters for the drive are shown on the Live screen.
4	PC Control button	Switch to PC control to start or stop the drive using MyDrive Insight.
5	Favorites	Select a parameter as a favorite by clicking the star in its row. Open the favorites panel on the right side of the screen by clicking the star at the top of the page.

Navigate through different parameter groups In the following picture, *parameter group 4 Motor* is shown as an example.

PC Control

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PC Control

	-		France.	1 11 12 12 12 12	1.0000	Ì
Uverview	INDEX	NAME (4)	VALUE	DEFAULT	MIN	MAX
	4.2.2.1	Nominal Power	1.10	1.10	0.02	6.47
1 Grid	4.2.2.2	Nominal Current	2.8000	2.8000	0.0300	9.0000
2 Power Conversion & DC Link	4.2.2.3	Nominal Speed	1420.0	1420.0	0.0	100000.
_	4.2.2.4	Nominal Frequency	50.0	50.0	0.0	2000.0
3 Filters & Brake Chopper	4.2.2.5	Nominal Voltage	400.0	400.0	5.0	1000.0
V 🖿 4.2 Motor Data						
 4.2 Motor Data 4.2.1 General Settings 4.2.2 Nameplate Data 						
4.2.1 General Settings						
 4.2.1 General Settings 4.2.2 Nameplate Data 						
 4.2.1 General Settings 3 a 4.2.2 Nameplate Data 4.2.3 Asyn. Induction Motor 						

Illustration 7: Parameter Group

- 1. Click the parameter group (1) from the *Live* pane.
- 2. Click the parameter subgroup (2).
- 3. Repeat step 2, until the right level of parameter subgroup (3) is reached to find the specific parameters (4).



When in a specific parameter subgroup, only parameters relevant to the parameter subgroup can be accessed.

Searching for a specific parameter

In the Search field, type the search term. The search returns all parameters that have the search term in the name.

In the following example, all parameters with DC-Link in the name are listed in the search results.

2 DC-Link 1 ×								
Uverview 0	INDEX	NAME	VALUE	DEFAULT	MIN	MAX	UNIT	NUMBER
	2.1.3	DC-Link Voltage (2)	528.7		0.0	1100.0	v	9044
a I Grid	2.1.7	DC-Link Power	0.00		-6470.00	6470.00	kW	5117
2 Power Conversion & DC Link	2.1.20	Drive DC-Link Voltage Output	None	None	0	29999		2311
	2.3.1.3	DC-Link Voltage Ripple Response	Trip	Trip	0	2		2929
3 Filters & Brake Chopper	2.3.1.4	DC-Link Imbalance Response	Trip	Trip	1	2		2346
4 Motor	2.1.3	DC-Link Voltage	528.7		0.0	1100.0	V	9044
5 Application	2.1.7	DC-Link Power			-6470.00	6470.00	kW	5117
 5 Application 	2.1.20	Drive DC-Link Voltage Output	None	None	0	29999		2311

Illustration 8: Search button

1	Search term
2	Search results

2.1.3 Viewing and Changing Parameter Settings

When in a specific parameter group, all parameters related to the parameter group are shown. Depending on the access type of the parameter, there is a possibility to view the parameter setting or change the current selection or value of the parameter. In the following picture, *parameter group 4 Motor* is shown as an example.

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All devices Ic7-136b7209032955g172 In6/254.79/207/2020 Device info Elve Live If Graphs and reports	* *	Q Search	(1)		\sim	0	\sim		\bigcirc	\sim	~ ~
Ite9.254.79.207:2020 Ite9.254.79.207:2020 Ite9 Ite9 Ite9	~			(2)	(6)	(7)	(8)		(9)	(10)	(11)(12
• Live	~		INDEX	NAME	VALUE	DEFAULT	MIN	MAX	UNIT	NUMBER	00
• Live			4.1.1	Motor Current	0.00	~	0.00	9.00	А	9000	0 \$
		A 🖿 1 Grid	4.1.2	Motor Current %	0.0	3)	0.0	200.0	%	9001	0 \$
Graphs and reports		2 Power Conversion & DC Link	4.1.3	U-phase RMS current	0.01	<u> </u>	0.00	9.00	А	9020	0 \$
	^		4.1.4	V-phase RMS current			0.00	9.00	A	9021	0 \$
Setup and service	~	A S Filters & Brake Chopper	4.1.5	W-phase RMS current			0.00	9.00	А	9022	0 \$
Decomptore	~	A 🛢 4 Motor	4.1.6	Motor Voltage			0.0	1000.0	V	9005	0 \$
		∧ ■ 5 Application	4.1.7	Motor Voltage %	0.00		0.00	200.00	%	9006	0 \$
 Live 		A - S Application	4.1.11	Motor Torque			-10000000.00	1000000.00	Nm	9009	0 \$
Interface configuration		6 Maintenance & Service	4.1.12	Motor Torque %			-300.0	300.0	%	1708	0 \$
Functional safety	~	7 Functional Safety	4.1.13	Motor Shaft Power			-6470.00	6470.00	kW	9008	0 🕁
			4.1.14	Motor Power %			-300.0	300.0	%	1707	0 \$
Events	^	8 Customization	4.1.15	Motor Electrical Power			-6470.00	6470.00	kW	9043	0 \$
Customization	^	> ■ 91/0	4.1.13 Initial ERIMotor Thermal Load Out Carlos Carlos Avr Sensor 4.1.14 ERI Motor Thermal Load 0.0 100.0 100.0 2959 2951 4.1.17 Motor Current Output None None 0 29999 2302	0 \$							
		-	4.1.17	Motor Current Output	None	None	0	29999		2302	1
		10 Connectivity	4.1.18	Motor Voltage Output	None	None	0	29999		2303	1
			4.1.19	Absolute Motor Torque Output	None	None	0	29999		2306	0 \$
			4.1.20	Motor Torque 200% Output	None	None	0	29999		2310	0 \$
			4.1.21	Absolute Motor Speed Output	None	None	0	29999		2301	1
			4.1.22	Motor Speed 200% Output	None	None	0	29999		2309	0 \$
			4.1.23	Actual Motor Power Output	None	None	0	29999		2305	0 \$
			4.1.24	AMA Progress	0.0	\sim	0.0	100.0	%	429	0 \$
			4.2.1.1	Motor Type	Asyn. Induction Motor	4 Asyn. Induction	0	65535		407	0 \$
			4.2.1.2	Number of Pole Pairs	2	2	0	65535		406	0 \$
	^ ∧ ■ 8Cu ^ ∧ ■ 91/0		4.2.1.3	AMA Mode	Off		0	4		420	0 \$
			4.2.1.5	Motor Cable Length	100.0	100.0	0.0	10000.0	m	425	0 \$
Live Graphs and reports Setup and service Parameters Live Interface configuration Functional safety Events			4.2.2.1	Nominal Power	1.10	5)1.10	0.02	6.47	kW	405	0 \$
			4.2.2.2	Nominal Current	2.8000	2.8000	0.0300	9.0000	A	400	0 \$
			4.2.2.3	Nominal Speed	1420.0	1420.0	0.0	100000.0	rpm	402	0 \$
			4.2.2.4	Nominal Frequency	50.0	50.0	0.0	2000.0	Hz	403	0 \$
			4.2.2.5	Nominal Voltage	400.0	400.0	5.0	1000.0	V	401	0 \$
			4.2.3.1	Stator Resistance Rs	4.7838	4.7838	0.0000	100000.0000	Ω	408	0 \$
			4.2.3.2	Rotor Resistance Rr	3.6703	3.6703	0.0000	100000.0000	Ω	409	0 \$
			4.2.3.3	Iron Loss Resistance Rfe	2993.9	2993.9	0.0	11000000512.0	Ω	413	0 \$

Illustration 9: Parameter Overview

Table 2: Legend Table

Number	Field Name	Description
1	Index	Based on the parameter group structure, the index defines the location of the parameter. The index is not used as a unique identifier of a parameter.
2	Name	Name of the parameter.
3	Status parameter	Provides the current status or value of a parameter. The parameter value is shown in a light gray color and cannot be changed.
4	Selection parame- ters	To see all selections available for the parameter, click the value in the <i>Value</i> field.
5	Range parame- ters	The parameter value can be modified based on the ranges defined (maximum and minimum values).
6	Value	The current value of the parameter.
7	Default	The factory setting (default value) of the parameter.
8	Min and Max	When applicable, the minimum and maximum values of the parameter are shown in the <i>Min</i> and <i>Max</i> fields.
9	Unit	When applicable, the unit of the parameter is shown in the <i>Unit</i> field.
10	Number	The unique identifier for each parameter. The identifier is independent and decoupled from the parameter index values.
11	Help	Click the ? button to see a description about the parameter.
12	Favorites (star)	Clicking the Favorites icon will add the parameter to Favorites.

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2.1.4 PC Control to Operate the Drive Using MyDrive® Insight

To operate the drive using PC control, click the *Control Panel* button in MyDrive[®] Insight. The following illustration shows the different screens to operate the drive via MyDrive[®] Insight.

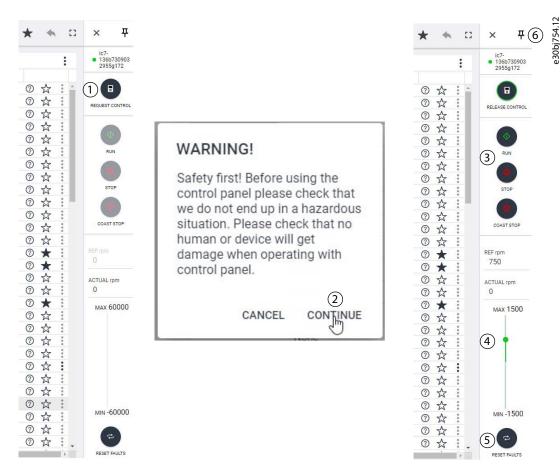


Illustration 10: Operate Drive using MyDrive® Insight

To access PC Control in MyDrive® Insight and operate the drive, perform the following:

- 1. Click the *REQUEST CONTROL* button (1).
- 2. Click Continue (2) to confirm secure operational conditions while controlling the drive using MyDrive® Insight.
- 3. Use the START, STOP, STOP COAST buttons (3) to perform a drive operation. Use the sliders (4) to increase or decrease the reference speed.
- 4. To reset a drive in case of a fault, click RESET FAULTS (5).
- 5. For ease of access, click the Pin button (6) to make the control panel constantly visible on the screen.

2.1.5 Datalogger

The datalogger in MyDrive Insight enables the monitoring of signals and related information for the selected signals. To access the Datalogger feature, select the drive (1), then go to *Graphs and Reports* (2) \rightarrow *Datalogger* (3).

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PC Control

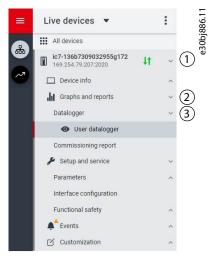


Illustration 11: Navigating to Datalogger

The following image shows the Datalogger main controls.

=	Live devices 🔻		:	Datalogger • ic7-136b73090329	55g172 × 🕅 REM 🔺 •	Start Blocked			10	:	۵	*	+++		52.11
*	All devices			U TURN ON	✤ FORCE TRIGGER	- ARM DEVICE	APPLY SETTINGS							• Disat	
~~	ic7-136b7309032955g172 169.254.79.207:2020	4t	~	(4) Settings	5	6	\bigcirc							3	e3C
	Device info		^	Sample time (ms)		(2)	Window time (s)							
	Graphs and reports		~	100		G		2							
	Datalogger		~	-											
	 User datalogger 			Storage	(511)			Trigger position (s)							
9	Commissioning report			Temporal de	vice storage (RAM)			0.0							
	Setup and service		~	Trigger type				Trigger level 1							
	Parameters		^	No trigger				0							

Illustration 12: Datalogger Screen

Table 3: Main Controls

Legend	Description
1	Opens the window to select available Datalogger files for viewing.
2	Shows the list of Datalogger settings.
3	Shows the Datalogger status.
4	Enables or disables Datalogger. When disabled, all Datalogger configuration settings are inactive. When enabled, Data- logger is active and operates based on the configuration settings.
5	Activates the force trigger. The 0 – 1 transition (rising edge) triggers Datalogger manually. This function is typically used with automatic triggers.
6	Arms Datalogger. The 0 – 1 transition (rising edge) readies Datalogger for triggering.
7	Applies any changed settings.

2.1.5.1 Configuring Datalogger

- To configure the datalogger, follow these 2 main steps:
- Configure the signals to be recorded using the datalogger.
- Configure the datalogger settings.

Procedure:

1. Open Datalogger.

The settings view opens.

Illustration 13: Datalogger Settings

Field name	Field description
Sample time (ms)	Enter a sample time in ms. The actual sample time is dependent on the switching frequency. Fast sample rate settings result in data changing slowly in the resulting log.
Win-	Defines the size of the capture window. Enter the window time in seconds.
dow time (s)	High sample rates and large capture times that result in large capture files may be rejected when the config- uration is applied.
Stor-	Select the location to which datalogger files are stored. Available selections are:
age	- RAM: Settings are stored on the RAM of the drive.
	- Flash: Settings are stored on the flash of the drive.
	- SD card: Data is stored on the (optional) microSD card.
	The supported microSD cards are: SD, SDHC, or SDXC, which must be formatted for the FAT32 file system. SDHC is the recommended type as they are delivered preformatted to FAT32.
Trigger posi- tion (s)	Adjust the slider to position the trigger. Setting the trigger position to 0 indicates that the datalogger re- cording starts at the time of the trigger. Setting a negative value indicates that the datalogger recording starts after the trigger has occurred. Setting a positive value indicates that the datalogger recording starts before the trigger has occurred.
Trigger	The trigger types are the following:
type	- No trigger (manual trigger only)
	- Equal triggers when the value of the trigger source variable is equal to trigger level 1.
	- Not equal triggers when the value of the trigger source variable is not equal to trigger level 1.
	- Greater than triggers when the value of the trigger source variable is greater than trigger level 1.
	- Greater than or equal to triggers when the value of the trigger source variable is greater than or equal to trigger level 1.
	- Less than triggers when the value of the trigger source variable is less than trigger level 1.

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Field name	Field description
	- Less than or equal to triggers when the value of the trigger source variable is less than or equal to trig- ger level 1.
	 Rising edge triggers when the value of the trigger source variable rises above trigger level 1. If the trigger source is already above trigger level 1, the trigger must first drop below the trigger level.
	- Falling edge triggers when the value of the trigger source variable falls below trigger level 1. If the trigger source is already below trigger level 1, the trigger must first rise above the trigger level.
Trigger level 1	Defines the trigger level associated with the defined trigger type. This level is used for all single-level trigger types. The entry in the field defines the lower trigger level for window trigger types, such as bounds and out of bounds.
File name	Name of the file for datalogger recording.
Over-	Click the toggle button to turn the overwrite function on or off.
write	- On: Overwrite is enabled. A file number is not appended to the datalog file. The datalogger overwrites a previous datalog file.
	- Off: Overwrite is disabled. A file number is appended to the log file. For each datalog, the datalog file is Incremented and the previous datalog file is not overwritten.
Next file num- ber	The number entered in this field is appended to the initial datalog file. Entry in the field is useful when data- logs are previously available in the drive. The number is auto-incremented with each datalog recording when the entry in <i>Next file number</i> is enabled.
Trigger	Select 1 of the following trigger modes.
mode	- Single trigger mode: After a datalog recording, the datalogger must be rearmed before another trigger is allowed.
	- Auto trigger mode: After a datalog recording, the datalogger automatically rearms and starts to accept triggers.
Trigger source	Click the <i>Add signal</i> button under the <i>Trigger source</i> heading. A <i>Trigger source</i> field appears. Click on the <i>Trigger source</i> field to select the signal source which is used for triggering the datalogger recording. The trigger source list opens in a new window:



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Field **Field description** name e30bk189.10 Settings Sample ti time (s) 1500 5 Storage Trigger position (s) Temporal device storage (RAM) × Trigger source Trigger type Q Search Equal Motor Ctri. Ready Status Word (1710) File name Speed Reference (1718) user Actual Torque Limit Motoring (1812) Actual Torque Limit Regenerative (1813) Output Current Limit % (2700) Trigger source Main Fan Speed (2931) Trigger source Control Unit Temperature Brake Power (2933) Brake Power Average (2934) Signals Heat Sink Temperature (2950) Signal 1 Control Unit Temperature ETR Motor Thermal Load (2951) Control Unit Temperature (2952) Signals Click the Add signal button under the Signals heading. A Signal field appears. Click on the Signal field to select the signals that are logged. The signal list opens in a new window: Settings e30bk190.10 Window time (s) 1500 5 Storage Trigger position (s) Temporal device storage (RAM) Signals × Trigger type Q Search Equal File name On Reference Flag (6074) user Process Controller Output (6075) Feedback 1 Value (6080) Feedback 2 Value (6085) Trigger source Adv. Feed Forward Value (6086) Trigger source Feedback Value (6090) Control Unit Temperature Setpoint Value (6092) Signals Control Panel Process Control Reference (6094) Signal 1 Speed Reference After Ramp (6150) Control Unit Temperature Final Speed Reference (6151) Signal 3 Heat Sink Temperature Ŵ

Signal 6

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Add more signals as necessary by clicking the Add signal button again.



PC Control

2. Click Apply settings.

After the signal selection and the datalogger settings, the datalogger is ready to record the logs. To view a recorded datalog file, click the icon shown in the following figure.

Datalogger ic7-136b73090329 	955g172 × 🕅 REM 🛕 • S	Start Blocked		•	*	-+		53
() TURN ON	🗲 FORCE TRIGGER	♦ ARM DEVICE	APPLY SETTINGS				 Disat 	bled
Settings								

Illustration 14: Datalogger View Icon

2.1.6 Backup and Restore

Backup

The Backup feature in MyDrive[®] Insight allows to store the parameter settings of the drive into a new or existing project file, RAM, or flash memory of the drive, or to an optional microSD card.

To utilize the microSD card as a storage device, the microSD card must be inserted in the slot on the interface module located behind the control panel, as shown in the image below.

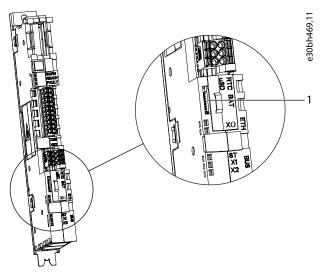


Illustration 15: MicroSD Card Slot

1 The microSD card

The following are the types of microSD card supported by the interface module, which must be formatted for the file system FAT32.

- Secure Digital (SD) card
- Secure Digital High Capacity (SDHC)
- Secure Digital Extended Capacity (SDXC)



It is recommended to use SDHC cards as they are delivered as preformatted to FAT32.

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2.1.6.1 Backing up the Drive

Procedure

1. To back up the drive, select a drive, go to Setup & Services \rightarrow Parameters.

The *Parameters Live* screen is shown.

2. Click the icon as shown in the figure.

Live devices 🔻	:	Parameters ic7-136b7309032955g172 × ℵ REM ▲	Start Blocked			🖻 Q 🛓	d 🛧	*
All devices		Q Search						
ic7-136b7309032955g172 169.254.79.207:2020	~	III Overview	INDEX	NAME	VALUE	DEFAULT	MIN	
Device info	~		4.1.1	Motor Current	0.00		0.00	
	~	🔨 🖿 1 Grid	4.1.2	Motor Current %			0.0	
Graphs and reports	^	2 Power Conversion & DC Link	4.1.3	U-phase RMS current			0.00	
🌽 Setup and service	~		4.1.4	V-phase RMS current			0.00	
Parameters	~	A 3 Filters & Brake Chopper	4.1.5	W-phase RMS current			0.00	
-		v 🖿 4 Motor	4.1.6	Motor Voltage			0.0	
 Live 			4.1.7	Motor Voltage %	0.00		0.00	

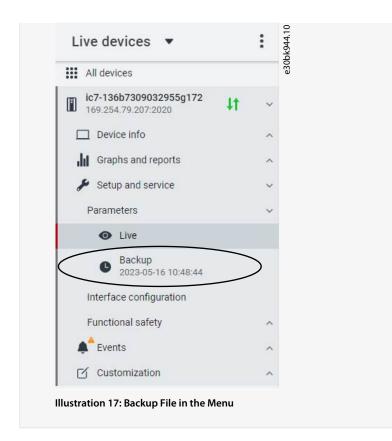
- Difference of the backup destination. The destinations to back up are:
 - **Project:** The user can back up an existing project or a new project.
 - Device file system: The user can back up to 1 of the available memory devices of the drive.
- 3. Click Next.
- 4. If *Project* was selected, give the backup file a name and description.
 - If *Device file system* was selected, select where to save the backup. The selections are flash, RAM, or an (optional) microSD card. It is possible to specify a name for the backup file as well.
- 5. Click *Backup* to begin backup.
 - Once backup is completed, a notification screen about it appears. If a *Project* backup was created, the backup is shown in the device menu under *Parameters*.

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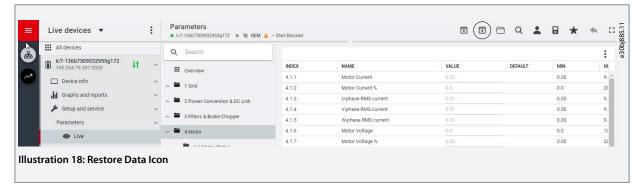
PC Control



2.1.6.2 Restoring the Data to the Drive

Procedure

- 1. To restore data to the drive, select a drive, go to Setup & Service \rightarrow Parameters.
- 2. Click the icon as shown in the image below.



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3. Select the source of the data which has to be restored to the drive.

elect source	
roject (New project)	۲
evice filesystem	0
actory settings	0
	0
ocal filesystem	0
ocal filesystem	NEXT >

- 4. Click *Next* to select the backup source device and view the available backup files.
- 5. If *Project* is the restore source, select the correct backup to restore. Click *Next*.

× Restore		~	e 30bk949.10	
Q Search			e30bk	
Backup 2023-05-16 13:56:40 All Config Settings		0		
Backup 2023-05-16 10:48:44 All Config Settings		0		
← PREVIOUS ••	• • • •	NEXT >		
← PREVIOUS ● ● Illustration 20: Select the Backup		NEXT >		

ΝΟΤΙΟΕ

It is possible to exclude ethernet port settings when restoring the data.



PC Control

×	Restore		~
Select	t restore content		
\checkmark	All Config Settings 101		
	All Config Settings Except	X0	
< PR	REVIOUS	• • • •	NEXT >
Illustra	ation 21: Restore Data	I	

7. The system asks you to confirm the restore action. Click *Restore*.

Y Destar	0
× Restore	e30bk950.10
+	ě
You selected this backup file to be restored to the device ic7- 136b7309032955g172. By accepting the restore action the file is c device.	committed to
← PREVIOUS	RESTORE >
lustration 22: Confirm Restore	
On successful restore of data, a message is disp	plaved.

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