



HEXAGON

Combinations of the function codes in the Q-DAS applications

Overview

FAQ handling/configuration
7 November 2022
Created with Version 13.0.4.3

Information about this document

All rights, including translation into foreign languages, are reserved. It is not allowed to reproduce any part of this document in any way without written permission of Hexagon.

Parts of this document may be automatically translated.

Document History

Version	Date	Author(s)	Modifications / Remarks
	05.07.2021	SJ	Initial Release
v-0.1	12.07.2021	SJ	Translation
v-0.7	15.02.2022	SJ	Function code "Show Window" corrected. Since Version 13.0.6.1 there are 10 layers for "Save window layout" and "Restore window layout". Function codes added.
v-0.12	07.11.2022	SJ	Function code "Document manager" added.



CONTENTS

1	Intended use of the function codes	4
2	Function codes Combinations	5
2.1	Function code combinations for graphical representations	5
2.2	Cross-module function code combinations	7
2.2.1	Cross-module: feature change	12
2.2.2	Cross-module: page/section change	13
2.2.3	Cross-module: part change	13
2.3	Function code combinations in qs-STAT	14
2.4	Function code combinations in O-QIS MCA/CMM Reporting.....	14
2.5	Function code combinations in O-QIS Monitoring.....	17
2.6	Function code combinations in procella	18
2.7	Function code combinations in solara.MP	18
2.8	Function code combinations for SAP-IDI	19

1 Intended use of the function codes

Various combinations of function codes are available in the Q-DAS applications for executing commands such as changing the database connection, opening a test plan or bringing another application to the foreground. These are mainly used in the button bars, the control bars or in the scripts as "DoAction" commands.

Each function code combination consists of a statement block with four key elements. The function group, function number, function sub-number and the additional number.

Group	Number	Sub-number	Additional number
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

The focus of this FAQ is a list of possible and, above all, frequently used function code combinations. These are in constant development. The list in this FAQ was created with the version that was the subject of the current delivery at the time of publication. Depending on the available version, the list listed here may differ from the -function codes available in the QDAS -applications.

The use of the function code combinations requires a solid basic knowledge of the Q-DAS applications and in particular knowledge of the existing system environment. An efficient use of the function code combinations can be elaborated in a workshop with the Q-DAS project team. Contact e-mail: info.qdas.mi@hexagon.com.



This document is in no way a substitute for training. Detailed information on our training offer is available on our homepage at

<https://www.q-das.com/en/training>.

2 Function codes Combinations

The following chapters list combinations of function codes grouped according to their purpose.

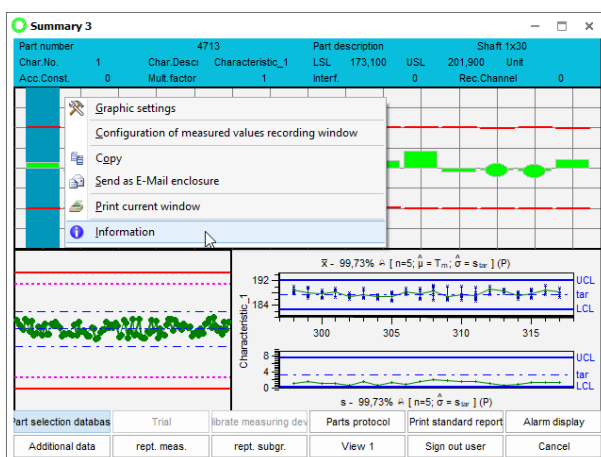
2.1 Function code combinations for graphical representations

Due to the large number and the deviations in the modules, it is not necessary to list the graphic elements such as individual values, characteristic values, control charts, part evaluations, forms, overview/input windows, etc. individually. The following explains how the function code combination of a graphic element can be read out.

In the Q-DAS applications, all graphic elements belong to function group "1".

Further information such as function number, function sub-number and the additional number are stored in the element itself. They are called up via the context menu of the element and the selection "Information".

Context menu of the "Summary/Input 3" window in procella.

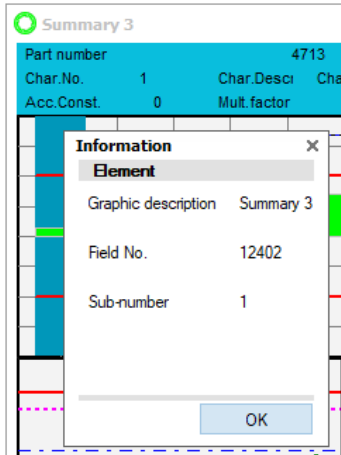


Context menu of the "Characteristics Statistics 9" window in qs-STAT Process Analysis.

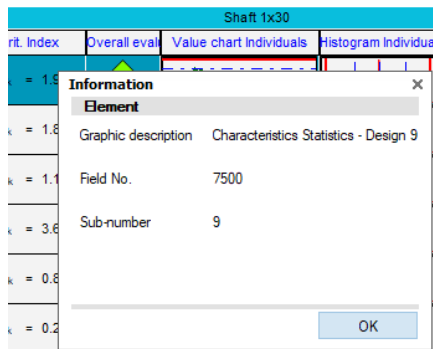


If the information window of an element does not contain an additional number, use "0".

Information window of "Overview/Input 3" in procella



Information window "Characteristics Statistic 9" in qs-STAT Process Analysis.



Thus, the following function code combination is used in procella to call up the "Summary/Input 3" window:

Function			
Group	Number	Sub-number	Additional number
1	12402	1	0
<input type="button" value="Function scope"/>			

The following function code combination is used in qs-STAT Process Analysis to call up "Characteristics Statistic 9":

Function			
Group	Number	Sub-number	Additional number
1	7500	9	0
<input type="button" value="Function scope"/>			

2.2 Cross-module function code combinations

Cross-module function code combinations: Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
New	1	1170	0	0
Designer > Form	1	1711	0	0
Designer > Button bars	1	1714	0	0
Signatures	1	1740	0	0
Designer > Input masks	1	1790	0	0
Report view	1	7903	0	0
Report with data selections	1	7903	10	0
Parts/characteristics list	1	7999	0	0
Parts mask	1	12100	0	0
Characteristics mask	1	12200	0	0
Table of characteristics	1	12202	0	0
Value mask	1	12300	0	0
Group mask	1	12500	0	0
Current window	3	0	1	0
Area	3	0	2	0
All windows	3	0	4	0

Cross-module function code combinations: Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Set up page	3	4	0	0
characteristic selection	3	35	0	0
Take over current part, feature number for all windows	3	35	1	0
Linear transformation	4	12213	0	0
Dialogue „Document manager“ Allocation of documents to characteristic (field „Attachment“ K2242)	4	12760	0	0
Execute evaluation	5	300	0	0
Open	5	1100	0	0
Open from QML	5	1104	0	0
Close	5	1105	0	0
Part selection	5	1110	0	0
This reloads data from a file and appends it to the file that is already open WITH EVALUATION.	5	1120	0	0
This reloads data from a file and appends it to the already open file WITHOUT EVALUATION	5	1120	1	0
Merge files	5	1130	0	0
Database > Read	5	1150	0	0
Database > Quick Filter	5	1150	1	0

Cross-module function code combinations: Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Database > Quick Filter Quick Filter selection dialogue does not open if only one Quick Filter exists. The only existing Quick Filter is automatically called up.	5	1150	11	0
Database > Quick Filter Quick Filter selection dialogue does not open. Enter the name of the Quick Filter to be called directly in the "Call parameter" field under Button properties. >>Not callable as script<<	5	1150	21	0
Database > SPC test planning	5	1151	0	0
Database > Selection choice	5	1153	0	0
Database > Parts selection	5	1155	0	0
Database > Part selection SAP	5	1155	1	0
Database > Serial Number Traceability	5	1159	0	0
Import (*.csv, *.txt)	5	1160	10	0
Converter > Conversion	5	1160	20	0
Selection of active converters (import)	5	1160	21	0
Export script	5	1160	25	0
Export (without selection)	5	1160	26	0
Converter > Settings	5	1161	0	0
Export script (with settings)	5	1161	10	0

Cross-module function code combinations: Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Converter import (selection based on no.)	5	1168	0	0
Converter export (selection based on no.	5	1169	0	0
Save	5	1250	0	0
Save as	5	1300	0	0
Save to database	5	1300	10	0
Save in QML	5	1300	20	0
Advanced saving	5	1305	0	0
Print > Standard Report	5	1340	0	0
Print > Current Window	5	1340	2	0
Save as (result export)	5	1350	1	0
Send loaded data by e-mail	5	1365	0	0
Configuration Excel export	5	1380	10	0
Save as (configuration Excel export)	5	1380	20	0
Set up printer	5	1700	0	0
Print > Report	5	1720	0	0
Exit	5	1900	0	0
Side by side	5	8100	0	0

Cross-module function code combinations: Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Among each other	5	8150	0	0
Overlapping	5	8200	0	0
Close all	5	8400	0	0
Show window	5	8410	0	0
Restore saved window layout Since version 13.0.6.1, 10 different window layouts are offered. The sub-number corresponds to the window layout designation (1-10).	5	8414	X	0
Example: Restore saved window layout 1	5	8415	1	0
Log-in user	5	9382	0	0
Log-out user	5	9384	0	0
Target fields check	5	9570	0	0
Run Q-DAS Script	5	10610	0	0

2.2.1 Cross-module: feature change

Cross-module function code combinations for the feature change Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Back one characteristic	3	31	1	0
Advance one characteristic	3	31	2	0
Back one characteristic (Y-axis)	3	31	3	0
Advance one characteristic (Y-axis)	3	31	4	0
First characteristic	3	33	1	0
Last characteristic	3	33	2	0
First characteristic (Y-axis)	3	33	3	0
Last characteristic (Y-axis)	3	33	4	0
Back Several characteristic	3	38	1	0
Advance Several characteristic	3	38	2	0
Back Several characteristic (Y-axis)	3	38	3	0
Advance Several characteristic (Y-axis)	3	38	4	0

2.2.2 Cross-module: page/section change

Cross-module function code combinations for the page/section change Function	Fct. group	Fct. no.	Fct. subno.	Additio nal no.
1 page forward	3	223	1	0
1 page back	3	223	2	0
1 section before	3	223	3	0
1 section back	3	223	4	0
Last page	3	223	5	0
First page	3	223	6	0

2.2.3 Cross-module: part change

Cross-module function code combinations for changing parts Function	Fct. group	Fct. no.	Fct. subno.	Additio nal no.
Advance one part	3	31	11	0
Back one part	3	31	11	0
First part	3	33	11	0
Last part	3	33	12	0
Back Several parts	3	38	11	0
Advance Several parts	3	38	12	0

2.3 Function code combinations in qs-STAT

Function code combinations in qs-STAT Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Deactivate all features that cannot be evaluated (no tolerance available / too few measured values) An "Undo" function does not exist.	5	411	0	0

2.4 Function code combinations in O-QIS MCA/CMM Reporting

Function code combinations in O-QIS MCA/CMM Reporting Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Stop CMM Reporting	4	13010	0	0
Start CMM reporting	4	13010	1	0
Reject measurement (red)	4	13020	0	0
Save attribute and/or event for the measured value. Specification of call parameters is required. Call parameter: "K0005=x; K0002=x" >>Not callable as script<<	4	13020	1	0
Take over measurement (green) with assignment of events to all characteristics of the part	4	13020	1	0
Accept measurement (green) with assignment of events only to the alarmed features	4	13020	1	1
Accept measurement (green) with individual event assignment for alarms	4	13020	1	2
Take over measurement (green) with individual event assignment for alarms for groups	4	13020	1	3
Take over measurement (green) with assignment of events in case of alarms (multi-selection/display of alarms only)	4	13020	1	4

Function code combinations in O-QIS MCA/CMM Reporting Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Take over measurement (green) with assignment of events to all characteristics of the part (multi-selection/display of all characteristics)	4	13020	1	5
Accept measurement (green) with assignment of events to all characteristics of the part. Event also for good parts, can be cancelled	4	13020	1	10
Confirmation of all open measurements of a part (all measured values are assigned the same event) Hint: The event dialogue is always opened because it is not clear whether there is an alarm for any measurement at all.	4	13020	1	30
Confirmation of all open measurements of a part (only the alarmed measurements are assigned the same event) Hint: The event dialogue is always opened, as it is not clear whether there is an alarm for any measurement at all.	4	13020	1	31
Discard all open measurements of a part	4	13020	0	30
Only the measurements that are still open and not yet confirmed are displayed. When the button is pressed again, all pending measurements are displayed again. As an indication of which mode the CMM reporting is in, the font colour changes next to the traffic light (in the status bar) from black to blue. Hint: When loading the open measurements, all measurements between the first and the last open measurements are loaded. If there is a confirmed or rejected measurement between these two measurements, it will also be loaded.	4	13050	10	0
Start Quick Filter (Selection)	4	13040	0	0
Switch to the first unconfirmed part	4	13050	1	0
One part back	4	13050	3	0

Function code combinations in O-QIS MCA/CMM Reporting Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
One part forward	4	13050	4	0
Switch to the last unconfirmed part	4	13050	6	0
Temporarily disabling automatic confirmation	4	13050	9	0
Bring external window to the foreground (call parameter: window class name)	4	13070	0	0
Evaluation	5	127	0	0
Print Standard Report	5	1720	1	0
Run external application (call parameters: path and application or document name)	5	9389	1	0

2.5 Function code combinations in O-QIS Monitoring

Function code combinations in O-QIS Monitoring Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Open test plan	5	1191	0	0
Test plan new	5	1192	0	0
Edit data sources	5	1193	0	0
Add data sources	5	1194	0	0
Save	5	1308	0	0
Save test plan	5	1308	1	0
Save window list	5	1308	2	0

2.6 Function code combinations in procella

Function code combinations in procella and O-QIS procella Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Reset measuring sequence control	4	12215	0	0
Calibrate measuring device	4	12320	1	0
Setup measurement configuration	4	12320	100	0
Input help (cannot be called up via the menu bar of the overview/input)	4	12470	0	0
Save in Monitoring DB	5	1300	30	0
Close interface	5	9601	1	0
Open interface	5	9601	2	0

2.7 Function code combinations in solara.MP

Function code combinations in solara.MP: Function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Type conversion	5	1400	0	0

2.8 Function code combinations for SAP-IDI

Function code combinations for SAP IDI function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Measurement: Part selection SAP	5	1157	0	0
Measurement: Inspection lot selection (inspection order table)	5	1158	0	0
Configuration SAP-IDI interface	5	9810	0	0
Start cyclic download operation	5	9811	0	0
Stop cyclic download operation	5	9811	2	
Display assessed / confirmed inspection lots (test order table) View inspection lot data	5	9814	0	
Download of inspection lots (according to system settings)	5	9815	0	0
Download of inspection lots with inspection order creation (only inspection orders without master data) Special IDI settings are ignored. Available as of ME10	5	9815	50	0
Download of inspection lots with inspection order creation (inspection orders and master data) Special IDI settings are ignored	5	9815	100	0
Assignment of inspection lots to part types (all new inspection lots)	5	9815	101	0
Assignment of inspection lots to part types (all unassigned inspection lots)	5	9815	101	2
Display/change inspection lot assignment (inspection order table) Assignment test order - part type	5	9816	0	0

Function code combinations for SAP IDI function	Fct. group	Fct. no.	Fct. subno.	Additional no.
Display/change inspection lots: unassigned inspection lots (inspection order table) Assignment of inspection order - part type (unassigned inspection lots)	5	9816	1	0
Display/change inspection lot assignment: inspection lots that cannot be assigned uniquely (test order table) Assignment of inspection order - part type (non-unique inspection lots)	5	9816	2	
Display/change inspection lot assignment: assigned inspection lots (inspection order table) Assignment of inspection order - part type (assigned inspection lots)	5	9816	3	0
Valuation of the inspection lots: Close inspection lot / inspection order (test order table) Close/show inspection lot	5	9817	0	0
Valuation of the inspection lots: Make usage decision (test order table) Select inspection lots for usage decision	5	9818	0	0
Display inspection lot status (test order table) Display inspection lot status	5	9819	0	0
Upload measurement results (all completed inspection lots)	5	9820	0	
Upload measurement results (currently loaded parts/operations)	5	9820	4	

Function code combinations for SAP IDI function	Fct. group	Fct. no.	Fct. subno.	Addi onal no.
Confirm usage decision (test order table)	5	9821	0	0
Lock inspection lot in SAP (currently loaded part)	5	9830	0	
Make usage decision and report back Enter usage decision	5	9850	1	0
Make a usage decision (test order table) Enter usage decision	5	9850	2	