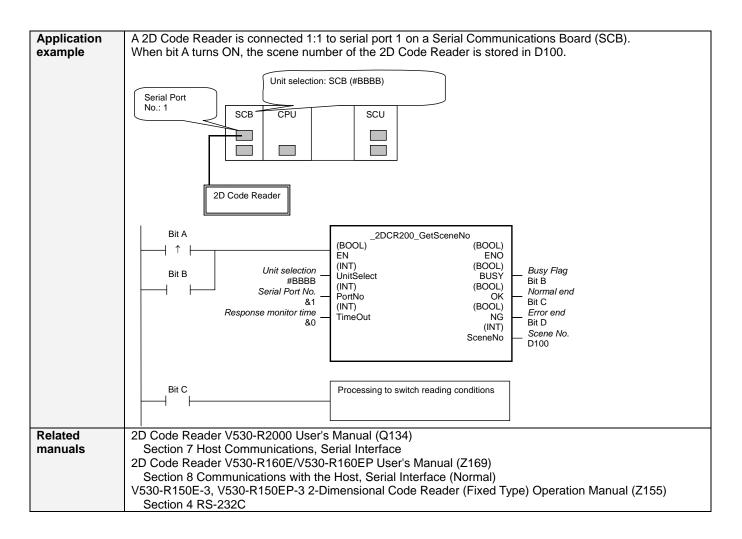
2DCR Get Scene Number: _2DCR200_GetSceneNo

Basic	Reads the scene number.						
function							
Symbol							
	Start trigger _2DCR200_GetSceneNo						
	(BOOL) (BOOL) EN ENO						
	(INT) (BOOL)						
	Busy Flag Unit selection UnitSelect BUSY Busy Flag						
	Serial Port No. — (INT) (BOOL) PortNo OK Normal end						
	(INT) (BOOL)						
	Response monitor time — TimeOut NG Error end						
	(INT) SceneNo — Scene No.						
File name	Lib\FBL\omronlib\Barcode Scanner\2DCR_2DCR200_GetSceneNo10.cxf						
Applicable	2D Code Reader V530-R2000 Series, V530-R160 Series, and V530-R150V3 Series						
models	CPU Unit CS1*-CPU**H Unit version 3.0 or higher						
model3	CJ1*-CPU**H Unit version 3.0 or higher						
	CJ1M-CPU ^{**} Unit version 3.0 or higher						
	CP1H						
	CP1L (except 10 points CPU)						
	Serial CS1W-SCU21-V1, CJ1W-SCU41-V1 Unit Version 1.2 or higher						
	Communications CS1W-SC021-V1, CS1W-SC021-V1, CS1W-SC041-V1 Unit Version 1.2 or higher						
	Units/Boards						
Conditions	CX-Programmer Version 5.0 or higher						
Conditions	External Connections						
for usage	Can be used only for 1:1 connections.						
	Communications must be within one network and cannot cross to another network.						
	 This FB is invalid when the serial port error is happend. 						
	 Multiple FBs cannot simultaneously perform processing for one Code Reader. 						
	When the PLC system is turned ON, the serial port may receive unexpected data, resulting in a						
	communication error.						
	It is recommended to restart the serial port one time after starting up the PLC system.						
	Communications Settings						
	The communications settings(No-protocol Mode) of the serial port must be the same as those of the 2D						
	Code Reader.						
	The communications settings of the specified serial port can be set to the default 2D Code Reader						
	settings using the Set Communications Port (_2DCR600_SetComm) function block, and the other 2D						
	Code Reader settings using the Set No-protocol Mode (_SCx603_SetPortNOPRTCL) function block.						
	Shared Resources						
	 When a Serial Communications Unit is specified: Communications ports (internal logical ports) 						
	Code Reader Settings						
	Always set the 2D Code Reader scene number before using this FB.						
Function	When the Start Trigger turns ON, the scene number is read for the 2D Code Reader connected to the serial						
description	port and specified by the Unit Selection and Serial Port Number.						
FB	• The FB is processed over multiple cycles. The BUSY output variable can be used to check whether the						
precautions	FB is being processed.						
	OK or NB will be turned ON for one cycle only after processing is completed. Use these flags to detect						
	the end of FB processing.						
	Timechart						
	Start Trigger ON						
	OFF						
	Busy Flag (BUSY) ON						
	OFF OFF						
	Normal end (OK) or ON						
	Error end (NG) OFF						
	FB execution completed.						
	At normal end: Scene number is output.						
EN input	Connect EN to an OR between an upwardly differentiated condition for the start trigger and the BUSY						
condition	output from the FB.						
Restrictions	 Always use an upwardly differentiated condition for EN. 						
Input	• If the input variables are out of range, the ENO Flag will turn OFF and the FB will not be processed.						
variables							
Output	This FB requires multiple cycles to process. Always connect an OR including the BUSY output variable						
variables	to the EN input variable to ensure that the FB is processed to completion (see Symbol).						
	 Do not turn the BUSY output variable ON or OFF outside the FB. 						



Variable Tables Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			1 (ON): FB started. 0 (OFF): FB not started.
Unit selection	UnitSelect	INT	&0	At right.	Specify the Unit and the serial port.
Serial Port No.	PortNo	INT	&1	&1 to &2	Only serial port 2 of CP1H/CP1L M-type CPU unit is possible to use this FB. • Connected to CPU Unit Unit selection #FFFF Serial port No. Not accessed. (CP1H/CP1L-M: Serial Port2 CP1L-L14/20: Serial Port1) • Connected to Serial Communication Board(SCB) Unit selection #BBBB Serial port No. &1: Serial Port 1 &2: Serial Port 2 • Connected to Serial Communication Unit(SCU) Unit selection SCU Unit No. (&0 to &15) Serial port No. &1: Serial Port 1 &2: Serial Port 2
Response monitor time	TimeOut	INT	&0	&0 to &990	Specify the response monitor time (unit: 100 ms). &0: Default (99 seconds)

Output Variables

Name	Variable name	Data type	Range	Description
ENO	ENO	BOOL		1 (ON): FB processed normally.
(May be omitted.)				0 (OFF): FB not processed or ended in an error.
Busy Flag	BUSY	BOOL		Automatically turns OFF when processing is completed.
Normal end	OK	BOOL		Turns ON for one cycle when processing ends normally.
Error end	NG	BOOL		Turns ON for one cycle when processing ends in an error.
Scene No.	SceneNo	INT	&0 to &9	

Version History

Version	Date	Contents
1.00	2004.6.	Original production

Note

This manual is a reference that explains the function block functions.

It does not explain the operational limitations of Units, components, or combinations of Units and components. Always read and understand the Operation Manuals for the system's Units and other components before using them.