UdpConnect()

This FBK can be used to connect a UDP port to an opposite station.

Asynchronous handling causes the function block to return ERR_FUB_BUSY until the FBK is either finished successfully or an error occurs.

This function block can only be used conditionally for **redundancy**.
The applicable limitations are described in the following sections:

Communication
Handle must be initialized
Hidden pointer usage
Asynchronous execution

Additional information can be found in the "Redundancy" section.

Parameters

I/O	Parameter	Data type	Description
IN	enable	BOOL	Enables the FBK.
IN	ident	UDINT	Ident from UdpOpen.
IN	pHost	UDINT (given as a pointer to STRING)	Pointer to the IP address or name of the receiver. If an empty string ("") is specified, the local host is used (127.0.0.1).
IN	port	UINT	Port number of the receiver.
OUT	status	UINT	Function return value (error numbers, 0 = no error)

Call syntax (Automation Basic)

UdpConnect (enable, ident, adr(Host), port, status)

Function description

This FBK can be used to connect a UDP port to an opposite station (IP address and port number). The UDP port can then only communicate with this opposite station (send and receive). For this reason, it only makes sense to connect a UDP port if it's supposed to exchange data with this station only. Connecting a UDP port to another station does not cause a handshake procedure between them.

If a UDP port is connected, no receiver needs to be specified when sending and no sender is supplied upon delivery. Calling the FBK again with a changed IP address or port number allows the opposite station to be changed.

Error numbers

Value	Name	Description	Correction
0	ERR_OK	Status OK.	
32500	udpERR_INVALID_IDENT	The specified ident is not valid.	Check the specified ident.
32503	udpERR_PARAMETER	The specified IP address or name could not be resolved or the port number is not permitted (0).	Check the specified parameters.
32508	udpERR_CONNREFUSED	Problem during a previous send. This error is only returned when UDP ports are connected (UdpConnect).	Check the connected parameters (UdpConnect: IP address, port number).
32552	udpERR_SOCKET_CONNECT	The port could not be connected.	Check the specified parameters.
65534	ERR_FUB_ENABLE_FALSE	FBK not enabled.	Enable the FBK.
65535	ERR_FUB_BUSY	FBK still working.	Call it again.