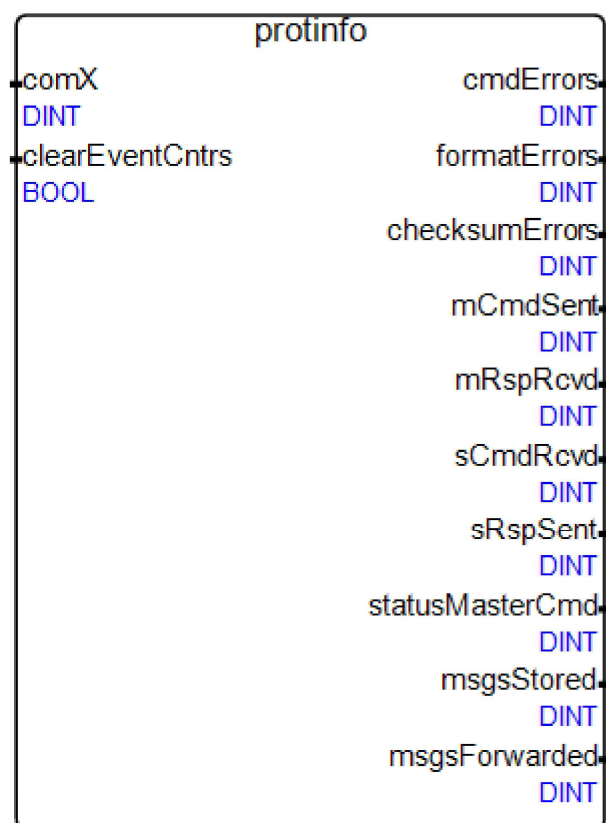


protinfo: Get Serial Port Protocol Status

The `protinfo` function block provides diagnostic data about a specific serial port.

The status information is written to integer variables.

The integer variables are updated continuously with data concerning the protocol status of the serial port.



Inputs

Input	Type	Description
comX	Integer	Communication port to read protocol status Valid values are 1 to 4
clearEventCnts	Boolean	Event counters are cleared when TRUE Event counters accumulate when FALSE

Outputs

Output	Type	Description
cmdErrors	Integer	Protocol command errors are the number of received messages containing an unsupported Modbus function code. This is also the number of otherwise valid commands that are rejected because of a controller lock.
formatErrors	Integer	Protocol format errors are the number of received messages that don't have the correct framing or internal formatting. This is a count of how many messages are garbled. For Modbus ASCII this includes: - start of message missing - end of message missing - unexpected start of message inside message - unexpected end of message - invalid characters in message For Modbus RTU this includes:

		- received data is too short to be a message - received data is too long to be a message (it didn't fit in the 256 byte buffer).
checksumErrors	Integer	Protocol checksum errors are the number of received messages with a bad checksum.
mCmdSent	Integer	Protocol master commands sent
mRspRcvd	Integer	Protocol master responses received
sCmdRcvd	Integer	Protocol slave commands received
sRspSent	Integer	Protocol slave responses sent
statusMasterCmd	Integer	Protocol master command status 0 = message sent, waiting for response 1 = response successfully received 2 = not used 3 = bad value in function code register 4 = bad value in slave controller address register 5 = bad value in slave register address 6 = bad value in length register 7 = not used 8 = not used 9 = specified protocol is not supported by this controller
msgsStored	Integer	Protocol stored messages
msgsForwarded	Integer	Protocol forwarded messages