AMS error codes description (M-Bus, IEC 62056-21, S0, IN, ONF)

General AMS errors	
0	- without error
1	- error of input data
2	- error of output data
3	- protocol cannot be used for this port
4	- readout not started

M-Bus AMS errors
131072   - non specific error (internal error of module)
131073   - readout was stopped by user
131074   - bad format address and speed of the device
131075   - parameters of the port were not set
131076   - message "SND_NKE" was not send in defined time interval to the device
131077   - message "SND_NKE" was not send in defined time interval to the device
131078   - timeout - receiving "SND_NKE" message response
131079   - bad frame when receiving "SND_NKE" message from the device
131080   - message "REQ_UD2" was not send
131081   - message "REQ_UD2" was not send
131082   - timeout - receiving "REQ_UD2" message response
131083   - incorrect communication frame for "REQ_UD2" message
131084   - incorrect response for "REQ_UD2" message
131085   - incorrect device address in response for "REQ_UD2" message
131086   - message "SND_UD slave selection" was not send in defined time interval
131087   - message "SND_UD slave selection" was not send in defined time interval
131088   - timeout - receiving "SND_UD slave selection" message response
131089   - bad frame for "SND_UD slave selection" response message
131090   - message "SND_UD slave selection" was not send in defined time interval during searching slaves on bus
131091   - message "SND_UD slave selection" was not send in defined time interval during searching slaves on bus
131092   - message "REQ_UD2" was not send in defined time interval during searching slaves on bus
131093   - message "REQ_UD2" was not send in defined time interval during searching slaves on bus
131094   - collision of secondary addresses during searching slaves on bus (two or more devices have same secondary address)
131329   - bad first "start" byte for device´s response message
131330   - bad second "start" byte for device´s response message
131331   - bad first "stop" byte for device´s response message
131332   - bad checksum of the response frame
131333   - bad value of the response frame length
131334   - bad value of the response frame length

IEC 62056-21 AMS errors
65536   - internal error
65537   - readout was stopped by user
65538   - bad format address of the device
65539   - not supported character, that describe communication speed in the device answer
65540   - communication port was not set
65541   - timeout - Identification message not arrived
65542   - the device using unsupported AMS mode
65543   - timeout - Acknowledgement/option select message
65544   - speed was not set
65545   - timeout while receiving two consecutive characters of the message
65546   - timeout while receiving two messages
65793   - not supported character in the field "Manufacturer's identification" of received "Identification message"
65794   - not supported character in the field Baud rate identification of received "Identification message"
65795   - not supported character in the field Identification of received " Identification message"
65796   - not supported character in the fields "CR" and "LF" of received "Identification message"
66049   - not supported character in the field "Data block" of received " Data message"
66050   - internal AMS buffer overflow because too long "Data block" of received "Data message"
66051   - not supported character in the fields "CR" and "LF" of received "Data message"
66052   - not supported character in the field "ETX" of received "Data message"
66053   - field "BCC" of received "Data message" is not equal to calculated check character

Inputs AMS errors
8388608   - non specific error (internal error of module)
8388609   - readout was stopped by user
8388610   - bad format address of the device
8388611   - timeout (message was not sent in defined time)
8388612   - timeout (message was not sent in defined time)
8388613   - timeout - receiving message response
8388865   - bad frame in answer message
8388866   - bad sequential number of the frame
8388867   - answer is too log (not enough space for this frame in internal AMS memory)
8388868   - bad CRC
8388869   - bad value in sync. field

Pseudo AMS errors - ONF
65280   - non specific error (internal error of module)
65281   - user set more M-Bus slave devices, that can be handled by AMS functionality
65282   - error appeared during slave detection on M-Bus
65283   - error appeared during reading results of detected slave M-Bus devices
65284   - unsuccesful deleting devices from AMS table
65285   - error - parsing of detected slave units on M-Bus
65286   - user defined difrerent number slave units, that were detected on M-Bus
65287   - detected M-Bus unit cannot be add AMS table
65288   - SMS message limit

More product information:

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