

**MP-Serie Fehlermeldungen ( Obergruppen )**

- 0h** **NO SENSE.** Indicates that there is no specific sense key information to be reported for the designated logical unit. This would be the case for a successful command or a command that received CHECK CONDITION or COMMAND TERMINATED status because one of the filemark, EOM, or ILI bits is set to one.
- 1h** **RECOVERED ERROR.** Indicates that the last command completed successfully with some recovery action performed by the target. Details may be determinable by examining the additional sense bytes and the information field. When multiple recovered errors occur during one command, the choice of which error to report (first, last, most severe, etc.) is device specific.
- 2h** **NOT READY.** Indicates that the logical unit addressed cannot be accessed. Operator intervention may be required to correct this condition.
- 3h** **MEDIUM ERROR.** Indicates that the command terminated with a non recovered error condition that was probably caused by a flaw in the medium or an error 1n the recorded data. This sense key way also be returned if the target is unable to distinguish between a flaw in the medium and a specific hardware failure (sense key 4h).
- 4h** **HARDWARE ERROR.** Indicates that the target detected a non recoverable hardware failure (for example. controller failure. device failure parity error, etc.) while performing the command or during a self test.
- 5h** **ILLEGAL REQUEST.** Indicate: that there was an illegal parameter in the command descriptor block or in the additional parameters supplied as data for some commands (FORMAT UNIT, SEARCH DATA, etc. ) If the target detects an invalid parameter in the command descriptor block, then it shall terminate the command without altering the medium. If the target detects an invalid parameter in the additional parameters supplied as data, then the target may have already altered the medium. This sense key may also indicate that an invalid IDENTIFY message was received (5.8.7).
- 6h** **UNIT ATTENTION.** Indicates that the removable medium may have been changed or the target has been reset. See 6.9 for more detailed information about the unit attention condition.
- 7h** **DATA PROTECT.** Indicates that a command that reads or writes the medium was attempted on a block that is protected from this operation. The read or write operation is not performed.
- 8h** **BLANK CHECK.** Indicates that a write-once device or a sequential access device encountered blank medium or format-defined end-of-data indication while reading or a write-once device encountered a non-blank medium while writing
- 9h** Vendor Specific. This sense key is available for reporting vendor specific conditions
- Ah** **COPY ABORTED.** Indicates a COPY, COMPARE, or COPY AND VERIFY command was aborted due to an error condition on the source device, the destination device, or both. (See 7.2.3.2 for additional information about this sense key.)
- Bh** **ABORTED COMMAND.** Indicates that the target aborted the command. The initiator say be able to recover by trying the command again.
- Ch** **EQUAL.** Indicates a SEARCH DATA command has satisfied an equal comparison
- Dh** **VOLUME OVERFLOW.** Indicates that a buffered peripheral device has reached the end-of-partition and data may remain in the buffer that has not been written to the medium. A RECOVER BUFFERED DATA command(s) may be issued to read the unwritten data from the buffer.
- Eh** **MISCOMPARE.** Indicates that the source data did not match the data read from the medium.
- Fh** **RESERVED.**

<b>code</b>	<b>Error Name</b>	<b>Contents of Error</b>	<b>Sense Key</b>
00	NO ADDITIONAL SENSE INFORMATION	There is no valid Additional Sense information.	0
01	NO INDEX / SECTOR SIGNAL	INDEX signal or SECTOR signal cannot be detected.	4
02	NO SEEK COMPLETE	(Not produced)	-
03	WRITE FAULT	A Write Fault has occurred.	4
04	DRIVE NOT READY	The HDD is not in READY status.	2
05	DRIVE NOT SELECTED	(Not produced)	-
06	NO TRACK ZERO FOUND	The head cannot be positioned on Track 0.	4
07	MULTIPLE DRIVE SELECTED	(Not produced)	-
08	LOGICAL UNIT COMMUNICATION ERROR	(Not produced)	-
09	TRACK FOLLOWING ERROR	A track following error was detected in the HDD during command execution.	2
0A 0F	(RESERVED)	(Not produced)	-
10	ID CRC ERROR	A CRC error occurred in the ID part.	3
11	UNRECOVERED READ ERROR OF DATA BLOCK	A unrecoverable error occurred in the DATA part.	3
12	NO ADDRESS MARK FOUND IN ID FIELD	No address Mark can be detected in the ID part.	3
13	NO ADDRESS MARK FOUND IN DATA FIELD	No Address Mark can be detected in the DATA part.	3
14	NO RECORD FOUND	A block whose ID part is coincident cannot be detected.	
15	SEEK POSITIONING ERROR	Seek operation to a desired address is impossible.	3
16	DATA SYNCHRONIZATION MARK ERROR	(Not produced)	-
17	RECOVERED READ DATA WITH READ RETRIES	(Not produced)	-
18	RECOVERED READ DATA WITH ECC CORRECTION	indicates that recovery from error is successful by ECC correction	1
19	DEFECT LIST ERROR	Indicates that an error occurred during access to the Defect list	3

<u>Code</u>	<u>Error Name</u>	<u>Contents of Error</u>	<u>Sense Key</u>
1A	PARAMETER OVERRUN -	(Not produced)	-
1B	SYNCHRONOUS TRANSFER ERROR	(Not produced)	-
1C	PRIMARY DEFECT LIST NOT FOUND	The Defect List recorded on the disk of the HDD cannot be detected.	3
1D	COMPARE ERROR	The WRITE BUFFER command from the same initiator is not executed immediately before execution of the READ BUFFER command.	E -
1E	RECOVERED ID WITH ECC CORRECTION	(Not produced)	-
1F	(RESERVED)	(Not produced)	
20	INVALID COMMAND OPERATION CODE	Operation Codes are insufficient.	- 5
21	ILLEGAL LOGICAL BLOCK ADDRESS	Access was attempted beyond the logical block address reported by the Read Capacity (PMI = 0):	5
22	ILLEGAL FUNCTION FOR. DEVICE TYPE .	(Not produced)	-
23	(RESERVED) .	(Not produced)	
24	ILLEGAL FIELD IN CDB	There is illegal field in CDB.	5
25	INVALID LUN.	The LUN indicated in CDB or IDENTIFY message is invalid.	5
26	INVALID FIELD IN PARAMETER LIST	There is an invalid field in the parameter list.	5
27	WRITE PROTECTED	(Not produced)	
28	MEDIUM CHANGED	(Not produced)	-
29	POWER ON OR RESET	Poorer ON Reset occurred.	-
	OR BUS DEVICE RESET OCCURRED	Bus Device Reset occurred. SCSI Bus Reset occurred.	6
2A	SELECT MODE PARAMETER CHANGED	The MODE SENSE PARAMETER has been altered.	6
2B 2F	(RESERVED)	(Not produced)	
30		(Not produced)	-
	CARTRIDGE INCOMPATIBLE		-
31	MEDIUM FORMAT CORRUPTED	The medium is not formatted correctly.	3
32	NO DEFECT SPARE LOCATION AVAILABLE	Alternate trap is insufficient.	3
33 3F	(RESERVED)	(Not produced)	-

<u>Code</u>	<u>Error Name</u>	<u>Contents of Error</u>	<u>Sense Key</u>
40	RAM FAILURE	RAM caused failure.	4
41	DATA PATH DIAGNOSTIC FAILURE	(Not produced)	-
42	POWER ON DIAGNOSTIC FAILURE	A failure was detected in hardware during self diagnosis at Power ON.	4
43	MESSAGE RETECT ERROR	A message was rejected.	B
44	INTERVAL CONTROLLER ERROR	An error was detected in the hardware/firmware in the HDD during command execution.	B
45	SELECT/RESELECT FAILURE	Select/Reselect Time Over was detected. Invalid Select ON was detected.	B
46	UNSUCCESSFUL SOFT RESET	(Not produced)	-
47	SCSI INTERFACE PARITY ERROR	A parity error occurred in SCSI Interface.	B
48	INITIATOR DETECT ERROR	An Initiator Detected Error message was received from the initiator.	B
49	INAPPROPRIATE/ ILLEGAL MESSAGE	Illegal message was received.	B
4A-7F	(RESERVED)	(Not produced)	-
80-FF	(VENDOR UNIQUE)	(Undefined)	