

Table 7-2 Specific Error Information for SFC58 "WR_REC" and SFC59 "RD_REC."

Error Code (W#16#...)	Explanation	Restriction
7000	First call with REQ=0: No data transfer active; BUSY has the value 0.	-
7001	First call with REQ=1: No data transfer active; BUSY has the value 1.	Distributed I/Os
7002	Interim call (REQ irrelevant): Data transfer already active; BUSY has the value 1.	Distributed I/Os
8090	Specified logical base address invalid: There is no assignment in SDB1/SDB2x or there is no base address.	-
8092	The type specified in the ANY reference is not BYTE.	S7-400 only
8093	This SFC is not permitted for the module specified by LADDR and IOID (the following modules are permitted: S7-300 modules for an S7-300, S7-400 modules for an S7-400, S7-DP modules for an S7-300 and S7-400).	-
80A0	Negative acknowledgement when reading from the module (the module was removed during the read job or is defective).	Only with SFC59 "RD_REC"
80A1	Negative acknowledgement when sending the data record to the module (the module was removed during transfer or is defective).	Only with SFC58 "WR_REC"
80A2	DP protocol error at layer 2, possibly hardware fault.	Distributed I/Os
80A3	DP protocol error with direct data link mapper or user interface/user. Possibly hardware fault.	Distributed I/Os
80A4	Communication problem on the communication bus	The error occurs between the CPU and the external DP interface module.
80B0	<ul style="list-style-type: none"> SFC not possible for module type. The module does not recognize the data record. Data record number w 241 not permitted. With SFC58 (WR_REC), data records 0 and 1 are not permitted. 	-
80B1	The length specified in the RECORD parameter is incorrect.	<ul style="list-style-type: none"> With SFC58 "WR_REC": Length incorrect With SFC59 "RD_REC" (only when using older S7-300 FMs and S7-300 CPs): length > rec. length With SFC13 "DPNRM_DG": length < rec. length
80B2	The configured slot is not occupied.	-

Error Code (W#16#...)	Explanation	Restriction
80B3	Actual module type does not match the required module type in SDB1	-
80C0	With SFC59 (RD_REC): The module has the data record, but there are still no data to be read. With SFC13 (DPNRM_DG): There are no diagnostic data available.	only with SFC59 (RD_REC) or for SFC13 "DPNRM_DG"
80C1	The data of the previous write job for the same data record on the module have not yet been processed by the module.	-
80C2	The module is currently processing the maximum possible number of jobs for a CPU.	-
80C3	The required resources (memory, etc.) are currently occupied.	-
80C4	Communications error: <ul style="list-style-type: none"> • Parity error • "Software ready" not set • Error in field length information • Checksum error on the CPU side • Checksum error on the module side 	-
80C5	Distributed I/Os not available.	Distributed I/Os
80C6	Data record transfer was stopped due to a priority class abort (hot restart or background)	Distributed I/Os