18.1.6 PLC alarms/messages

18.1.6.1 FC 10 alarms in the DB2 (FB1: "ExtendAlMsg" = FALSE)

Message type

- **FM**: A fault message with the associated event number as fault number is triggered by the signal.
- **OM**: An operating message with the associated event number as message number is triggered by the signal.

Further information

A detailed description regarding error and system status messages can be obtained in:
FC10: AL_MSG - error and operating messages (Page 247)

Table 18-18 DB2, channel range 1

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 1							
	Feedrate disable (event no.: 510000-510015)							
0 (FM)	510007	510006	510005	510004	510003	510002	510001	510000
1 (OM)	510015	510014	510013	510012	510011	510010	510009	510008
2 (FM)	Feedrate and read-in disable, byte 1 (event no.: 510100-510107)							
3 (FM)	Feedrate and read-in disable, byte 2 (event no.: 510108-510115)							
4 (OM)	Feedrate and read-in disable, byte 3 (event no.: 510116-510123)							
5 (OM)	Feedrate and read-in disable, byte 4 (event no.: 510124-510131)							
6 (FM)	Read-in disable, byte 1 (event no.: 510200-510207)							
7 (FM)	Read-in disable, byte 2 (event no.: 510208-510215)							
8 (OM)	Read-in disable, byte 3 (event no.: 510216-510223)							
9 (OM)	Read-in disable, byte 4 (event no.: 510224-510231)							
10 (FM)	NC start disable, byte 1 (event no.: 510300-510307)							
11 (OM)	NC start disable, byte 2 (event no.: 510308-510315)							
12 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 511100-511107)							
13 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 511108-511115)							
14 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 511200-511207)							
15 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 511208-511215)							
16 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 511300-511307)							
17 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 511308-511315)							

Table 18-19 DB2, channel range 2

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 2							
	Feedrate disable (event no.: 520000-520015)							
18 (FM)	520007	520006	520005	520004	520003	520002	520001	520000
19 (OM)	520015	520014	520013	520012	520011	520010	520009	520008
20 (FM)	Feedrate and read-in disable, byte 1 (event no.: 520100-520107)							
21 (FM)	Feedrate and read-in disable, byte 2 (event no.: 520108-520115)							
22 (OM)	Feedrate and read-in disable, byte 3 (event no.: 520116-520123)							
23 (OM)	Feedrate and read-in disable, byte 4 (event no.: 520124-520131)							
24 (FM)	Read-in disable, byte 1 (event no.: 520200-520207)							
25 (FM)	Read-in disable, byte 2 (event no.: 520208-520215)							
26 (OM)	Read-in disable, byte 3 (event no.: 520216-520223)							
27 (OM)	Read-in disable, byte 4 (event no.: 520224-520231)							
28 (FM)	NC start disable, byte 1 (event no.: 520300-520307)							
29 (OM)	NC start disable, byte 2 (event no.: 520308-520315)							
30 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 521100-521107)							
31 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 521108-521115)							
32 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 521200-521207)							
33 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 521208-521215)							
34 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 521300-521307)							
35 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 521308-521315)							

Table 18-20 DB2, channel range 3

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 3							
	Feedrate disable (event no.: 530000-530015)							
36 (FM)	530007	530006	530005	530004	530003	530002	530001	530000
37 (OM)	530015	530014	530013	530012	530011	530010	530009	530008
38 (FM)	Feedrate and read-in disable, byte 1 (event no.: 530100-530107)							
39 (FM)	Feedrate and read-in disable, byte 2 (event no.: 530108-530115)							
40 (OM)	Feedrate and read-in disable, byte 3 (event no.: 530116-530123)							
41 (OM)	Feedrate and read-in disable, byte 4 (event no.: 530124-530131)							
42 (FM)	Read-in disable, byte 1 (event no.: 530200-530207)							
43 (FM)	Read-in disable, byte 2 (event no.: 530208-530215)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
44 (OM)	Read-in disable, byte 3 (event no.: 530216-530223)							
45 (OM)	Read-in disable, byte 4 (event no.: 530224-530231)							
46 (FM)	NC start disable, byte 1 (event no.: 530300-530307)							
47 (OM)	NC start disable, byte 2 (event no.: 530308-530315)							
48 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 531100-531107)							
49 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 531108-531115)							
50 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 531200-531207)							
51 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 531208-531215)							
52 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 531300-531307)							
53 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 531308-531315)							

Table 18-21 DB2, channel range 4

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 4							
	Feedrate disable (event no.: 540000-540015)							
54 (FM)	540007	540006	540005	540004	540003	540002	540001	540000
55 (OM)	540015	540014	540013	540012	540011	540010	540009	540008
56 (FM)	Feedrate and read-in disable, byte 1 (event no.: 540100-540107)							
57 (FM)	Feedrate and read-in disable, byte 2 (event no.: 540108-540115)							
58 (OM)	Feedrate and read-in disable, byte 3 (event no.: 540116-540123)							
59 (OM)	Feedrate and read-in disable, byte 4 (event no.: 540124-540131)							
60 (FM)	Read-in disable, byte 1 (event no.: 540200-540207)							
61 (FM)	Read-in disable, byte 2 (event no.: 540208-540215)							
62 (OM)	Read-in disable, byte 3 (event no.: 540216-540223)							
63 (OM)	Read-in disable, byte 4 (event no.: 540224-540231)							
64 (FM)	NC start disable, byte 1 (event no.: 540300-540307)							
65 (FM)	NC start disable, byte 2 (event no.: 540308-540315)							
66 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 541100-541107)							
67 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 541108-541115)							
68 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 541200-541207)							
69 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 541208-541215)							
70 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 541300-541307)							
71 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 541308-541315)							

Table 18-22 DB2, channel range 5

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 5							
	Feedrate disable (event no.: 550000-550015)							
72 (FM)	550007	550006	550005	550004	550003	550002	550001	550000
73 (OM)	550015	550014	550013	550012	550011	550010	550009	550008
74 (FM)	Feedrate and read-in disable, byte 1 (event no.: 550100-550107)							
75 (OM)	Feedrate and read-in disable, byte 2 (event no.: 550108-550115)							
76 (OM)	Feedrate and read-in disable, byte 3 (event no.: 550116-550123)							
77 (OM)	Feedrate and read-in disable, byte 4 (event no.: 550124-550131)							
78 (FM)	Read-in disable, byte 1 (event no.: 550200-550207)							
79 (FM)	Read-in disable, byte 2 (event no.: 550208-550315)							
80 (OM)	Read-in disable, byte 3 (event no.: 550216-550223)							
81 (OM)	Read-in disable, byte 4 (event no.: 550224-550231)							
82 (FM)	NC start disable, byte 1 (event no.: 550300-550307)							
83 (OM)	NC start disable, byte 2 (event no.: 550308-550315)							
84 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 551100-551107)							
85 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 551108-551115)							
86 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 551200-551207)							
87 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 551208-551215)							
88 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 551300-551307)							
89 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 551308-551315)							

Table 18-23 DB2, channel range 6

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 6							
	Feedrate disable (event no.: 560000-560015)							
90 (FM)	560007	560006	560005	560004	560003	560002	560001	560000
91 (OM)	560015	560014	560013	560012	560011	560010	560009	560008
92 (FM)	Feedrate and read-in disable, byte 1 (event no.: 560100-560107)							
93 (FM)	Feedrate and read-in disable, byte 2 (event no.: 560108-560115)							
94 (OM)	Feedrate and read-in disable, byte 3 (event no.: 560116-560123)							
95 (OM)	Feedrate and read-in disable, byte 4 (event no.: 560124-560131)							
96 (FM)	Read-in disable, byte 1 (event no.: 560200-560207)							
97 (FM)	Read-in disable, byte 2 (event no.: 560208-560315)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
98 (OM)	Read-in disable, byte 3 (event no.: 560216-560223)							
99 (OM)	Read-in disable, byte 4 (event no.: 560224-560231)							
100 (FM)	NC start disable, byte 1 (event no.: 560300-560307)							
101 (OM)	NC start disable, byte 2 (event no.: 560308-560315)							
102 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 561100-561107)							
103 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 561108-561115)							
104 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 561200-561207)							
105 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 561208-561215)							
106 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 561300-561307)							
107 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 561308-561315)							

Table 18-24 DB2, channel range 7

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 7							
	Feedrate disable (event no.: 570000-570015)							
108 (FM)	570007	570006	570005	570004	570003	570002	570001	570000
109 (OM)	570015	570014	570013	570012	570011	570010	570009	570008
110 (FM)	Feedrate and read-in disable, byte 1 (event no.: 570100-570107)							
111 (FM)	Feedrate and read-in disable, byte 2 (event no.: 570108-570115)							
112 (OM)	Feedrate and read-in disable, byte 3 (event no.: 570116-570123)							
113 (OM)	Feedrate and read-in disable, byte 4 (event no.: 570124-570131)							
114 (FM)	Read-in disable, byte 1 (event no.: 570200-570207)							
115 (FM)	Read-in disable, byte 2 (event no.: 570208-570315)							
116 (OM)	Read-in disable, byte 3 (event no.: 570216-570223)							
117 (OM)	Read-in disable, byte 4 (event no.: 570224-570231)							
118 (FM)	NC start disable, byte 1 (event no.: 570300-570307)							
119 (OM)	NC start disable, byte 2 (event no.: 570308-570315)							
120 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 571100-571107)							
121 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 571108-571115)							
122 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 571200-571207)							
123 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 571208-571215)							
124 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 571300-571307)							
125 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 571308-571315)							

Table 18-25 DB2, channel range 8

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 8							
	Feedrate disable (event no.: 580000-580015)							
126 (FM)	580007	580006	580005	580004	580003	580002	580001	580000
127 (OM)	580015	580014	580013	580012	580011	580010	580009	580008
128 (FM)	Feedrate and read-in disable, byte 1 (event no.: 580100-580107)							
129 (FM)	Feedrate and read-in disable, byte 2 (event no.: 580108-580115)							
130 (OM)	Feedrate and read-in disable, byte 3 (event no.: 580116-580123)							
131 (OM)	Feedrate and read-in disable, byte 4 (event no.: 580124-580131)							
132 (FM)	Read-in disable, byte 1 (event no.: 580200-580207)							
133 (FM)	Read-in disable, byte 2 (event no.: 580208-580315)							
134 (OM)	Read-in disable, byte 3 (event no.: 580216-580223)							
135 (OM)	Read-in disable, byte 4 (event no.: 580224-580231)							
136 (FM)	NC start disable, byte 1 (event no.: 580300-580307)							
137 (OM)	NC start disable, byte 2 (event no.: 580308-580315)							
138 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 581100-581107)							
139 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 581108-581115)							
140 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 581200-581207)							
141 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 581208-581215)							
142 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 581300-581307)							
143 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 581308-581315)							
	Channels 9 and **10** not implemented							

Table 18-26 DB2, axis ranges

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Axis/spindle							
	Feedrate stop / spindle stop for axis/spindle 1 (event no.: 600100-600115)							
144 (FM)	600107	600106	600105	600104	600103	600102	600101	600100
145 (OM)	600115	600114	600113	600112	600111	600110	600109	600108
146 (FM)	Feedrate stop / spindle stop for axis/spindle 2, byte 1 (event no.: 600200-600207)							
147 (OM)	Feedrate stop / spindle stop for axis/spindle 2, byte 2 (event no.: 600208-600215)							
148 (FM)	Feedrate stop / spindle stop for axis/spindle 3, byte 1 (event no.: 600300-600307)							
149 (OM)	Feedrate stop / spindle stop for axis/spindle 3, byte 2 (event no.: 600308-600315)							
150 (FM)	Feedrate stop / spindle stop for axis/spindle 4, byte 1 (event no.: 600400-600407)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
151 (OM)	Feedrate stop / spindle stop for axis/spindle 4, byte 2 (event no.: 600408-600415)							
152 (FM)	Feedrate stop / spindle stop for axis/spindle 5, byte 1 (event no.: 600500-600507)							
153 (OM)	Feedrate stop / spindle stop for axis/spindle 5, byte 2 (event no.: 600508-600515)							
154 (FM)	Feedrate stop / spindle stop for axis/spindle 6, byte 1 (event no.: 600600-600607)							
155 (OM)	Feedrate stop / spindle stop for axis/spindle 6, byte 2 (event no.: 600608-600615)							
156 (FM)	Feedrate stop / spindle stop for axis/spindle 7, byte 1 (event no.: 600700-600707)							
157 (OM)	Feedrate stop / spindle stop for axis/spindle 7, byte 2 (event no.: 600708-600715)							
158 (FM)	Feedrate stop / spindle stop for axis/spindle 8, byte 1 (event no.: 600800-600807)							
159 (OM)	Feedrate stop / spindle stop for axis/spindle 8, byte 2 (event no.: 600808-600815)							
160 (FM)	Feedrate stop / spindle stop for axis/spindle 9, byte 1 (event no.: 600900-600907)							
161 (OM)	Feedrate stop / spindle stop for axis/spindle 9, byte 2 (event no.: 600908-600915)							
162 (FM)	Feedrate stop/spindle stop for axis/spindle 10 byte 1 (event no.: 601000-601007)							
163 (OM)	Feedrate stop/spindle stop for axis/spindle 10 byte 2 (event no.: 601008-601015)							
164 (FM)	Feedrate stop/spindle stop for axis/spindle 11 byte 1 (event no.: 601100-601107)							
165 (OM)	Feedrate stop/spindle stop for axis/spindle 11 byte 2 (event no.: 601108-601115)							
166 (FM)	Feedrate stop/spindle stop for axis/spindle 12 byte 1 (event no.: 601200-601207)							
167 (OM)	Feedrate stop/spindle stop for axis/spindle 12 byte 2 (event no.: 601208-601215)							
168 (FM)	Feedrate stop/spindle stop for axis/spindle 13 byte 1 (event no.: 601300-601307)							
169 (OM)	Feedrate stop/spindle stop for axis/spindle 13 byte 2 (event no.: 601308-601315)							
170 (FM)	Feedrate stop/spindle stop for axis/spindle 14 byte 1 (event no.: 601400-601407)							
171 (OM)	Feedrate stop/spindle stop for axis/spindle 14 byte 2 (event no.: 601408-601415)							
172 (FM)	Feedrate stop/spindle stop for axis/spindle 15 byte 1 (event no.: 601500-601507)							
173 (OM)	Feedrate stop/spindle stop for axis/spindle 15 byte 2 (event no.: 601508-601515)							
174 (FM)	Feedrate stop/spindle stop for axis/spindle 16 byte 1 (event no.: 601600-601607)							
175 (OM)	Feedrate stop/spindle stop for axis/spindle 16 byte 2 (event no.: 601608-601615)							
176 (FM)	Feedrate stop/spindle stop for axis/spindle 17 byte 1 (event no.: 601700-601707)							
177 (OM)	Feedrate stop/spindle stop for axis/spindle 17 byte 2 (event no.: 601708-601715)							
178 (FM)	Feedrate stop/spindle stop for axis/spindle 18 byte 1 (event no.: 601800-601807)							
179 (OM)	Feedrate stop/spindle stop for axis/spindle 18 byte 2 (event no.: 601808-601815)							
	Axes 19 – 31 not realized							

Table 18-27 DB2, user ranges

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	User ranges							
	User range 0 (event no.: 700000-700015)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
180 (FM)	700007	700006	700005	700004	700003	700002	700001	700000
181 (FM)	700015	700014	700013	700012	700011	700010	700009	700008
182 (FM)	User range 0: Byte 3 (event no.: 700016-700023)							
183 (FM)	User range 0: Byte 4 (event no.: 700024-700031)							
184 (OM)	User range 0: Byte 5 (event no.: 700032-700039)							
185 (OM)	User range 0: Byte 6 (event no.: 700040-700047)							
186 (OM)	User range 0: Byte 7 (event no.: 700048-700055)							
187 (OM)	User range 0: Byte 8 (event no.: 700056-700063)							
188 - 191 (FM)	User range 1: Byte 1 - 4 (event no.: 700100-700131)							
192 - 195 (OM)	User range 1, bytes 5 - 8 (event no.: 700132-700163)							
196 - 199 (FM)	User range 2: Byte 1 - 4 (event no.: 700200-700231)							
200 - 203 (OM)	User range 2: Byte 5 - 8 (event no.: 700232-700263)							
204 - 207 (FM)	User range 3: Byte 1 - 4 (event no.: 700300-700331)							
208 - 211 (OM)	User range 3: Byte 5 - 8 (event no.: 700332-700363)							
212 - 215 (FM)	User range 4: Byte 1 - 4 (event no.: 700400-700431)							
216 - 219 (OM)	User range 4: Byte 5 - 8 (event no.: 700432-700463)							
220 - 223 (FM)	User range 5: Byte 1 - 4 (event no.: 700500-700531)							
224 - 227 (OM)	User range 5: Byte 5 - 8 (event no.: 700532-700563)							
228 - 231 (FM)	User range 6: Byte 1 - 4 (event no.: 700600-700631)							
232 - 235 (OM)	User range 6: Byte 5 - 8 (event no.: 700632-700663)							
236 - 239 (FM)	User range 7: Byte 1 - 4 (event no.: 700700-700731)							
240 - 243 (OM)	User range 7: Byte 5 - 8 (event no.: 700732-700763)							
244 - 247 (FM)	User range 8: Byte 1 - 4 (event no.: 700800-700831)							
248 - 251 (OM)	User range 8: Byte 5 - 8 (event no.: 700832-700863)							
252 - 255 (FM)	User range 9: Byte 1 - 4 (event no.: 700900-700931)							
256 - 259 (OM)	User range 9: Byte 5 - 8 (event no.: 700932-700963)							
260 - 263 (FM)	User range 10: Byte 1 - 4 (event no.: 701000-701031)							
264 - 267 (OM)	User range 10: Byte 5 - 8 (event no.: 701032-701063)							
268 - 271 (FM)	User range 11: Byte 1 - 4 (event no.: 701100-701131)							
272 - 275 (OM)	User range 11: Byte 5 - 8 (event no.: 701132-701163)							
276 - 279 (FM)	User range 12: Byte 1 - 4 (event no.: 701200-701231)							
280 - 283 (OM)	User range 12: Byte 5 - 8 (event no.: 701232-701263)							
284 - 287 (FM)	User range 13: Byte 1 - 4 (event no.: 701300-701331)							
288 - 291 (OM)	User range 13: Byte 5 - 8 (event no.: 701332-701363)							
292 - 295 (FM)	User range 14: Byte 1 - 4 (event no.: 701400-701431)							
296 - 299 (OM)	User range 14: Byte 5 - 8 (event no.: 701432-701463)							
300 - 303 (FM)	User range 15: Byte 1 - 4 (event no.: 701500-701531)							
304 - 307 (OM)	User range 15: Byte 5 - 8 (event no.: 701532-701563)							
308 - 311 (FM)	User range 16: Byte 1 - 4 (event no.: 701600-701631)							
312 - 315 (OM)	User range 16: Byte 5 - 8 (event no.: 701632-701663)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = FALSE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
316 - 319 (FM)	User range 17: Byte 1 - 4 (event no.: 701700-701731)							
320 - 323 (OM)	User range 17: Byte 5 - 8 (event no.: 701732-701763)							
324 - 327 (FM)	User range 18: Byte 1 - 4 (event no.: 701800-701831)							
328 - 331 (OM)	User range 18: Byte 5 - 8 (event no.: 701832-701863)							
332 - 335 (FM)	User range 19: Byte 1 - 4 (event no.: 701900-701931)							
336 - 339 (OM)	User range 19: Byte 5 - 8 (event no.: 701932-701963)							
340 - 343 (FM)	User range 20: Byte 1 - 4 (event no.: 702000-702031)							
344 - 347 (OM)	User range 20: Byte 5 - 8 (event no.: 702032-702063)							
348 - 351 (FM)	User range 21: Byte 1 - 4 (event no.: 702100-702131)							
352 - 355 (OM)	User range 21: Byte 5 - 8 (event no.: 702132-702163)							
356 - 359 (FM)	User range 22: Byte 1 - 4 (event no.: 702200-702231)							
360 - 363 (OM)	User range 22: Byte 5 - 8 (event no.: 702232-702263)							
364 - 367 (FM)	User range 23: Byte 1 - 4 (event no.: 702300-702331)							
368 - 371 (OM)	User range 23: Byte 5 - 8 (event no.: 702332-702363)							
372 - 375 (FM)	User range 24: Byte 1 - 4 (event no.: 702400-702431)							
376 - 379 (OM)	User range 24: Byte 5 - 8 (event no.: 702432-702463)							
380 - 383 (FM)	User range 25: Byte 1 - 4 (event no.: 702500-702531)							
384 - 387 (OM)	User range 25: Byte 5 - 8 (event no.: 702532-702563)							
388 - 391 (FM)	User range 26: Byte 1 - 4 (event no.: 702600-702631)							
392 - 395 (OM)	User range 26: Byte 5 - 8 (event no.: 702632-702663)							
396 - 399 (FM)	User range 27: Byte 1 - 4 (event no.: 702700-702731)							
400 - 403 (OM)	User range 27: Byte 5 - 8 (event no.: 702732-702763)							
404 - 407 (FM)	User range 28: Byte 1 - 4 (event no.: 702800-702831)							
408 - 411 (OM)	User range 28: Byte 5 - 8 (event no.: 702832-702863)							
412 - 415 (FM)	User range 29: Byte 1 - 4 (event no.: 702900-702931)							
416 - 419 (OM)	User range 29: Byte 5 - 8 (event no.: 702932-702963)							
420 - 423 (FM)	User range 30: Byte 1 - 4 (event no.: 703000-703031)							
424 - 427 (OM)	User range 30: Byte 5 - 8 (event no.: 703032-703063)							
428 - 431 (FM)	User range 31: Byte 1 - 4 (event no.: 703100-703131)							
432 - 435 (OM)	User range 31: Byte 5 - 8 (event no.: 703132-703163)							

Note

Parameterizing user ranges

The number of user ranges (maximum of 32) can be parameterized using FB 1 "MsgUser".

18.1.6.2 FC 10 alarms in the DB2 (FB1: "ExtendAlMsg" = TRUE)

Description

Message type

- **FM**: A fault message with the associated event number as fault number is triggered by the signal.
- **OM**: An operating message with the associated event number as message number is triggered by the signal.

Further information

FC10: AL_MSG - error and operating messages (Page 247)

Table 18-28 DB2, channel range 1

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Signals WITHOUT the display of a fault/operating message (DBB0 - 309)							
	Channel 1							
0	Feedrate disable							
1	Feedrate disable							
2	Read-in disable							
3	Read-in disable							
4	Start disable							
5	Start disable							
6	Feedrate stop, geo axis 1, byte 1							
7	Feedrate stop, geo axis 1, byte 2							
8	Feedrate stop, geo axis 2, byte 1							
9	Feedrate stop, geo axis 2, byte 2							
10	Feedrate stop, geo axis 3, byte 1							
11	Feedrate stop, geo axis 3, byte 2							
12 - 119	**Channel 2 - channel 10,** see above "Channel 1"							
	Axis/spindle 1							
120	Feedrate stop / spindle stop, byte 1							
121	Feedrate stop / spindle stop, byte 2							
122 - 181	**Axis / spindle 2 - 31,** see above "Axis /spindle 1"							
	Additional values for user range 0							
182	Additional value for event number 700000							
184	Additional value for event number 700001							
...	...							
308	Additional value for event number 700063							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Signals WITH the display of a fault/operating message (from DBB 310)							
	Channel 1							
	Feedrate disable (event no.: 510000-510015)							
310 (FM)	510007	510006	510005	510004	510003	510002	510001	510000
311 (OM)	510015	510014	510013	510012	510011	510010	510009	510008
312 (FM)	Feedrate and read-in disable: Byte 1 (event no.: 510100-510107)							
313 (FM)	Feedrate and read-in disable: Byte 2 (event no.: 510108-510115)							
314 (OM)	Feedrate and read-in disable: Byte 3 (event no.: 510116-510123)							
315 (OM)	Feedrate and read-in disable: Byte 4 (event no.: 510124-510131)							
316 (FM)	Read-in disable: Byte 1 (event no.: 510200-510207)							
317 (FM)	Read-in disable: Byte 2 (event no.: 510208-510215)							
318 (OM)	Read-in disable: Byte 3 (event no.: 510216-510223)							
319 (OM)	Read-in disable: Byte 4 (event no.: 510224-510231)							
320 (FM)	NC start disable: Byte 1 (event no.: 510300-510307)							
321 (OM)	NC start disable: Byte 2 (event no.: 510308-510315)							
322 (FM)	Feedrate stop, geo axis 1: Byte 1 (event no.: 511100-511107)							
323 (OM)	Feedrate stop, geo axis 1: Byte 2 (event no.: 511108-511115)							
324 (FM)	Feedrate stop, geo axis 2: Byte 1 (event no.: 511200-511207)							
325 (OM)	Feedrate stop, geo axis 2: Byte 2 (event no.: 511208-511215)							
326 (FM)	Feedrate stop, geo axis 3: Byte 1 (event no.: 511300-511307)							
327 (OM)	Feedrate stop, geo axis 3: Byte 2 (event no.: 511308-511315)							

Table 18-29 DB2, channel range 2

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 2							
	Feedrate disable (event no.: 510000-520015)							
328 (FM)	520007	520006	520005	520004	520003	520002	520001	520000
329 (OM)	520015	520014	520013	520012	520011	520010	520009	520008
330 (FM)	Feedrate and read-in disable, byte 1 (event no.: 520100-520107)							
331 (FM)	Feedrate and read-in disable, byte 2 (event no.: 520108-520115)							
332 (OM)	Feedrate and read-in disable, byte 3 (event no.: 520116-520123)							
333 (OM)	Feedrate and read-in disable, byte 4 (event no.: 520124-520131)							
334 (FM)	Read-in disable, byte 1 (event no.: 520200-520207)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
335 (FM)	Read-in disable, byte 2 (event no.: 520208-520215)							
336 (OM)	Read-in disable, byte 3 (event no.: 520216-520223)							
337 (OM)	Read-in disable, byte 4 (event no.: 520224-520231)							
338 (FM)	NC start disable, byte 1 (event no.: 520300-520307)							
339 (OM)	NC start disable, byte 2 (event no.: 520308-520315)							
340 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 521100-521107)							
341 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 521108-521115)							
342 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 521200-521207)							
343 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 521208-521215)							
344 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 521300-521307)							
345 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 521308-521315)							

Table 18-30 DB2, channel range 3

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 3							
	Feedrate disable (event no.: 530000-530015)							
346 (FM)	530007	530006	530005	530004	530003	530002	530001	530000
347 (OM)	530015	530014	530013	530012	530011	530010	530009	530008
348 (FM)	Feedrate and read-in disable, byte 1 (event no.: 530100-530107)							
349 (FM)	Feedrate and read-in disable, byte 2 (event no.: 530108-530115)							
350 (OM)	Feedrate and read-in disable, byte 2 (event no.: 530108-530115)							
351 (OM)	Feedrate and read-in disable, byte 4 (event no.: 530124-530131)							
352 (FM)	Read-in disable, byte 1 (event no.: 530200-530207)							
353 (FM)	Read-in disable, byte 2 (event no.: 530208-530215)							
354 (OM)	Read-in disable, byte 3 (event no.: 530216-530223)							
355 (OM)	Read-in disable, byte 4 (event no.: 530224-530231)							
356 (FM)	NC start disable, byte 1 (event no.: 530300-530307)							
357 (OM)	NC start disable, byte 2 (event no.: 530308-530315)							
358 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 531100-531107)							
359 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 531108-531115)							
360 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 531200-531207)							
361 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 531208-531215)							
362 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 531300-531307)							
363 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 531308-531315)							

Table 18-31 DB2, channel range 4

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 4							
	Feedrate disable (event no.: 540000-540015)							
364 (FM)	540007	540006	540005	540004	540003	540002	540001	540000
365 (OM)	540015	540014	540013	540012	540011	540010	540009	540008
366 (FM)	Feedrate and read-in disable, byte 1 (event no.: 540100-540107)							
367 (FM)	Feedrate and read-in disable, byte 2 (event no.: 540108-540115)							
368 (OM)	Feedrate and read-in disable, byte 3 (event no.: 540116-540123)							
369 (OM)	Feedrate and read-in disable, byte 4 (event no.: 540124-540131)							
370 (FM)	Read-in disable, byte 1 (event no.: 540200-540207)							
371 (FM)	Read-in disable, byte 2 (event no.: 540208-540215)							
372 (OM)	Read-in disable, byte 3 (event no.: 540216-540223)							
373 (OM)	Read-in disable, byte 4 (event no.: 540224-540231)							
374 (FM)	NC start disable, byte 1 (event no.: 540300-540307)							
375 (OM)	NC start disable, byte 2 (event no.: 540308-540315)							
376 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 541100-541107)							
377 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 541108-541115)							
378 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 541200-541207)							
379 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 541208-541215)							
380 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 541300-541307)							
381 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 541308-541315)							

Table 18-32 DB2, channel range 5

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 5							
	Feedrate disable (event no.: 550000-550015)							
382 (FM)	550007	550006	550005	550004	550003	550002	550001	550000
383 (OM)	550015	550014	550013	550012	550011	550010	550009	550008
384 (FM)	Feedrate and read-in disable, byte 1 (event no.: 550100-550107)							
385 (FM)	Feedrate and read-in disable, byte 2 (event no.: 550108-550115)							
386 (OM)	Feedrate and read-in disable, byte 3 (event no.: 550116-550123)							
387 (OM)	Feedrate and read-in disable, byte 4 (event no.: 550124-550131)							
388 (FM)	Read-in disable, byte 1 (event no.: 550200-550207)							
389 (FM)	Read-in disable, byte 2 (event no.: 550208-550215)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
390 (OM)	Read-in disable, byte 3 (event no.: 550216-550223)							
391 (OM)	Read-in disable, byte 4 (event no.: 550224-550231)							
392 (FM)	NC start disable, byte 1 (event no.: 550300-550307)							
393 (OM)	NC start disable, byte 2 (event no.: 550308-550315)							
394 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 551100-551107)							
395 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 551108-551115)							
396 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 551200-551207)							
397 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 551208-551215)							
398 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 551300-551307)							
399 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 551308-551315)							

Table 18-33 DB2, channel range 6

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 6							
	Feedrate disable (event no.: 560000-560015)							
400 (FM)	560007	560006	560005	560004	560003	560002	560001	560000
401 (OM)	560015	560014	560013	560012	560011	560010	560009	560008
402 (FM)	Feedrate and read-in disable, byte 1 (event no.: 560100-560107)							
403 (FM)	Feedrate and read-in disable, byte 2 (event no.: 560108-560115)							
404 (OM)	Feedrate and read-in disable, byte 3 (event no.: 560116-560123)							
405 (OM)	Feedrate and read-in disable, byte 4 (event no.: 560124-560131)							
406 (FM)	Read-in disable, byte 1 (event no.: 560200-560207)							
407 (FM)	Read-in disable, byte 2 (event no.: 560208-560215)							
408 (OM)	Read-in disable, byte 3 (event no.: 560216-560223)							
409 (OM)	Read-in disable, byte 4 (event no.: 560224-560231)							
410 (FM)	NC start disable, byte 1 (event no.: 560300-560307)							
411 (OM)	NC start disable, byte 2 (event no.: 560308-560315)							
412 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 561100-561107)							
413 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 561108-561115)							
414 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 561200-561207)							
415 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 561208-561215)							
416 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 561300-561307)							
417 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 561308-561315)							

Table 18-34 DB2, channel range 7

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 7							
	Feedrate disable (event no.: 570000-570015)							
418 (FM)	570007	570006	570005	570004	570003	570002	570001	570000
419 (OM)	570015	570014	570013	570012	570011	570010	570009	570008
420 (FM)	Feedrate and read-in disable, byte 1 (event no.: 570100-570107)							
421 (FM)	Feedrate and read-in disable, byte 2 (event no.: 570108-570115)							
422 (OM)	Feedrate and read-in disable, byte 3 (event no.: 570116-570123)							
423 (OM)	Feedrate and read-in disable, byte 4 (event no.: 570124-570131)							
424 (FM)	Read-in disable, byte 1 (event no.: 570200-570207)							
425 (FM)	Read-in disable, byte 2 (event no.: 570208-570215)							
426 (OM)	Read-in disable, byte 3 (event no.: 570216-570223)							
427 (OM)	Read-in disable, byte 4 (event no.: 570224-570231)							
428 (FM)	NC start disable, byte 1 (event no.: 570300-570307)							
429 (OM)	NC start disable, byte 2 (event no.: 570308-570315)							
430 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 571100-571107)							
431 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 571108-571115)							
432 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 571200-571207)							
433 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 571208-571215)							
434 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 571300-571307)							
435 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 571308-571315)							

Table 18-35 DB2, channel range 8

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 8							
	Feedrate disable (event no.: 580000-580015)							
436 (FM)	580007	580006	580005	580004	580003	580002	580001	580000
437 (OM)	580015	580014	580013	580012	580011	580010	580009	580008
438 (FM)	Feedrate and read-in disable, byte 1 (event no.: 580100-580107)							
439 (FM)	Feedrate and read-in disable, byte 2 (event no.: 580108-580115)							
440 (OM)	Feedrate and read-in disable, byte 3 (event no.: 580116-580123)							
441 (OM)	Feedrate and read-in disable, byte 4 (event no.: 580124-580131)							
442 (FM)	Read-in disable, byte 1 (event no.: 580200-580207)							
443 (FM)	Read-in disable, byte 2 (event no.: 580208-580215)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
444 (OM)	Read-in disable, byte 3 (event no.: 580216-580223)							
445 (OM)	Read-in disable, byte 4 (event no.: 580224-580231)							
446 (FM)	NC start disable, byte 1 (event no.: 580300-580307)							
447 (OM)	NC start disable, byte 2 (event no.: 580308-580315)							
448 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 581100-581107)							
449 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 581108-581115)							
450 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 581200-581207)							
451 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 581208-581215)							
452 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 581300-581307)							
453 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 581308-581315)							

Table 18-36 DB2, channel range 9

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 9							
	Feedrate disable (event no.: 590000-590015)							
454 (FM)	590007	590006	590005	590004	590003	590002	590001	590000
455 (OM)	590015	590014	590013	590012	590011	590010	590009	590008
456 (FM)	Feedrate and read-in disable, byte 1 (event no.: 590100-590107)							
457 (FM)	Feedrate and read-in disable, byte 2 (event no.: 590108-590115)							
458 (OM)	Feedrate and read-in disable, byte 3 (event no.: 590116-590123)							
459 (OM)	Feedrate and read-in disable, byte 4 (event no.: 590124-590131)							
460 (FM)	Read-in disable, byte 1 (event no.: 590200-590207)							
461 (FM)	Read-in disable, byte 2 (event no.: 590208-590215)							
462 (OM)	Read-in disable, byte 3 (event no.: 590216-590223)							
463 (OM)	Read-in disable, byte 4 (event no.: 590224-590231)							
464 (FM)	NC start disable, byte 1 (event no.: 590300-590307)							
465 (OM)	NC start disable, byte 2 (event no.: 590308-590315)							
466 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 591100-591107)							
467 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 591108-591115)							
468 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 591200-591207)							
469 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 591208-591215)							
470 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 591300-591307)							
471 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 591308-591315)							

Table 18-37 DB2, channel range 10

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Channel 10							
	Feedrate disable (event no.: 500000-500015)							
472 (FM)	500007	500006	500005	500004	500003	500002	500001	500000
473 (OM)	500015	500014	500013	500012	500011	500010	500009	500008
474 (FM)	Feedrate and read-in disable, byte 1 (event no.: 500100-500107)							
475 (FM)	Feedrate and read-in disable, byte 2 (event no.: 500108-500115)							
476 (OM)	Feedrate and read-in disable, byte 3 (event no.: 500116-500123)							
477 (OM)	Feedrate and read-in disable, byte 4 (event no.: 500124-500131)							
478 (FM)	Read-in disable, byte 1 (event no.: 500200-500207)							
479 (FM)	Read-in disable, byte 2 (event no.: 500208-500215)							
480 (OM)	Read-in disable, byte 3 (event no.: 500216-500223)							
481 (OM)	Read-in disable, byte 4 (event no.: 500224-500231)							
482 (FM)	NC start disable, byte 1 (event no.: 500300-500307)							
483 (OM)	NC start disable, byte 2 (event no.: 500308-500315)							
484 (FM)	Feedrate stop, geo axis 1, byte 1 (event no.: 501100-501107)							
485 (OM)	Feedrate stop, geo axis 1, byte 2 (event no.: 501108-501115)							
486 (FM)	Feedrate stop, geo axis 2, byte 1 (event no.: 501200-501207)							
487 (OM)	Feedrate stop, geo axis 2, byte 2 (event no.: 501208-501215)							
488 (FM)	Feedrate stop, geo axis 3, byte 1 (event no.: 501300-501307)							
489 (OM)	Feedrate stop, geo axis 3, byte 2 (event no.: 501308-501315)							

Table 18-38 DB2, axis ranges

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	Axis/spindle							
	Feedrate stop / spindle stop for axis/spindle 1 (event no.: 600100-600115)							
490 (FM)	600107	600106	600105	600104	600103	600102	600101	600100
491 (OM)	600115	600114	600113	600112	600111	600110	600109	600108
492 (FM)	Feedrate stop/spindle stop for axis/spindle 2 (event no.: 600200-600207)							
493 (OM)	Feedrate stop/spindle stop for axis/spindle 2 (event no.: 600208-600215)							
494 (FM)	Feedrate stop/spindle stop for axis/spindle 3 (event no.: 600300-600307)							
495 (OM)	Feedrate stop/spindle stop for axis/spindle 3 (event no.: 600308-600315)							
496 (FM)	Feedrate stop/spindle stop for axis/spindle 4 (event no.: 600400-600407)							
497 (OM)	Feedrate stop/spindle stop for axis/spindle 4 (event no.: 600408-600415)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
498 (FM)	Feedrate stop/spindle stop for axis/spindle 5 (event no.: 600500-600507)							
499 (OM)	Feedrate stop/spindle stop for axis/spindle 5 (event no.: 600508-600515)							
500 (FM)	Feedrate stop/spindle stop for axis/spindle 6 (event no.: 600600-600607)							
501 (OM)	Feedrate stop/spindle stop for axis/spindle 6 (event no.: 600608-600615)							
502 (FM)	Feedrate stop/spindle stop for axis/spindle 7 (event no.: 600700-600707)							
503 (OM)	Feedrate stop/spindle stop for axis/spindle 7 (event no.: 600708-600715)							
504 (FM)	Feedrate stop/spindle stop for axis/spindle 8 (event no.: 600800-600807)							
505 (OM)	Feedrate stop/spindle stop for axis/spindle 8 (event no.: 600808-600815)							
506 (FM)	Feedrate stop/spindle stop for axis/spindle 9 (event no.: 600900-600907)							
507 (OM)	Feedrate stop/spindle stop for axis/spindle 9 (event no.: 600908-600915)							
508 (FM)	Feedrate stop/spindle stop for axis/spindle 10 (event no.: 601000-601007)							
509 (OM)	Feedrate stop/spindle stop for axis/spindle 10 (event no.: 601008-601015)							
510 (FM)	Feedrate stop/spindle stop for axis/spindle 11 (event no.: 601100-601107)							
511 (OM)	Feedrate stop/spindle stop for axis/spindle 11 (event no.: 601108-601115)							
512 (FM)	Feedrate stop/spindle stop for axis/spindle 12 (event no.: 601200-601207)							
513 (OM)	Feedrate stop/spindle stop for axis/spindle 12 (event no.: 601208-601215)							
514 (FM)	Feedrate stop/spindle stop for axis/spindle 13 (event no.: 601300-601307)							
515 (OM)	Feedrate stop/spindle stop for axis/spindle 13 (event no.: 601308-601315)							
516 (FM)	Feedrate stop/spindle stop for axis/spindle 14 (event no.: 601400-601407)							
517 (OM)	Feedrate stop/spindle stop for axis/spindle 14 (event no.: 601408-601415)							
518 (FM)	Feedrate stop/spindle stop for axis/spindle 15 (event no.: 601500-601507)							
519 (OM)	Feedrate stop/spindle stop for axis/spindle 15 (event no.: 601508-601515)							
520 (FM)	Feedrate stop/spindle stop for axis/spindle 16 (event no.: 601600-601607)							
521 (OM)	Feedrate stop/spindle stop for axis/spindle 16 (event no.: 601608-601615)							
522 (FM)	Feedrate stop/spindle stop for axis/spindle 17 (event no.: 601700-601707)							
523 (OM)	Feedrate stop/spindle stop for axis/spindle 17 (event no.: 601708-601715)							
524 (FM)	Feedrate stop/spindle stop for axis/spindle 18 (event no.: 601800-601807)							
525 (OM)	Feedrate stop/spindle stop for axis/spindle 18 (event no.: 601808-601815)							
526 (FM)	Feedrate stop/spindle stop for axis/spindle 19 (event no.: 601900-601907)							
527 (OM)	Feedrate stop/spindle stop for axis/spindle 19 (event no.: 601908-601915)							
528 (FM)	Feedrate stop/spindle stop for axis/spindle 20 (event no.: 602000-602007)							
529 (OM)	Feedrate stop/spindle stop for axis/spindle 20 (event no.: 602008-602015)							
530 (FM)	Feedrate stop/spindle stop for axis/spindle 21 (event no.: 602100-602107)							
531 (OM)	Feedrate stop/spindle stop for axis/spindle 21 (event no.: 602108-602115)							
532 (FM)	Feedrate stop/spindle stop for axis/spindle 22 (event no.: 602200-602207)							
533 (OM)	Feedrate stop/spindle stop for axis/spindle 22 (event no.: 602208-602215)							
534 (FM)	Feedrate stop/spindle stop for axis/spindle 23 (event no.: 602300-602307)							
535 (OM)	Feedrate stop/spindle stop for axis/spindle 23 (event no.: 602308-602315)							
536 (FM)	Feedrate stop/spindle stop for axis/spindle 24 (event no.: 602400-602407)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
537 (OM)	Feedrate stop/spindle stop for axis/spindle 24 (event no.: 602408-602415)							
538 (FM)	Feedrate stop/spindle stop for axis/spindle 25 (event no.: 602500-602507)							
539 (OM)	Feedrate stop/spindle stop for axis/spindle 25 (event no.: 602508-602515)							
540 (FM)	Feedrate stop/spindle stop for axis/spindle 26 (event no.: 602600-602607)							
541 (OM)	Feedrate stop/spindle stop for axis/spindle 26 (event no.: 602608-602615)							
542 (FM)	Feedrate stop/spindle stop for axis/spindle 27 (event no.: 602700-602707)							
543 (OM)	Feedrate stop/spindle stop for axis/spindle 27 (event no.: 602708-602715)							
544 (FM)	Feedrate stop/spindle stop for axis/spindle 28 (event no.: 602800-602807)							
545 (OM)	Feedrate stop/spindle stop for axis/spindle 28 (event no.: 602808-602815)							
546 (FM)	Feedrate stop/spindle stop for axis/spindle 29 (event no.: 602900-602907)							
547 (OM)	Feedrate stop/spindle stop for axis/spindle 29 (event no.: 602908-602915)							
548 (FM)	Feedrate stop/spindle stop for axis/spindle 30 (event no.: 603000-603007)							
549 (OM)	Feedrate stop/spindle stop for axis/spindle 30 (event no.: 603008-603015)							
550 (FM)	Feedrate stop/spindle stop for axis/spindle 31 (event no.: 603100-603107)							
551 (OM)	Feedrate stop/spindle stop for axis/spindle 31 (event no.: 603108-603115)							

Table 18-39 DB2, user ranges

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	User ranges							
	User range 0 (event no.: 700000-700015)							
554 (FM)	700007	700006	700005	700004	700003	700002	700001	700000
555 (FM)	700015	700014	700013	700012	700011	700010	700009	700008
556 (FM)	User range 0: Byte 3 (event no.: 700016-700023)							
557 (FM)	User range 0: Byte 4 (event no.: 700024-700031)							
558 (OM)	User range 0: Byte 5 (event no.: 700032-700039)							
559 (OM)	User range 0: Byte 6 (event no.: 700040-700047)							
560 (OM)	User range 0: Byte 7 (event no.: 700048-700055)							
561 (OM)	User range 0: Byte 8 (event no.: 700056-700063)							
562 - 565 (FM)	User range 1: Byte 1 - 4 (event no.: 700100-700131)							
566 - 569 (OM)	User range 1: Byte 5 - 8 (event no.: 700132-700163)							
570 - 573 (FM)	User range 2: Byte 1 - 4 (event no.: 700200-700231)							
574 - 577 (OM)	User range 2: Byte 5 - 8 (event no.: 700232-700263)							
578 - 581 (FM)	User range 3: Byte 1 - 4 (event no.: 700300-700331)							
582 - 585 (OM)	User range 3: Byte 5 - 8 (event no.: 700332-700363)							
586 - 589 (FM)	User range 4: Byte 1 - 4 (event no.: 700400-700431)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
590 - 593 (OM)	User range 4: Byte 5 - 8 (event no.: 700432-700463)							
594 - 597 (FM)	User range 5: Byte 1 - 4 (event no.: 700500-700531)							
598 - 601 (OM)	User range 5: Byte 5 - 8 (event no.: 700532-700563)							
602 - 605 (FM)	User range 6: Byte 1 - 4 (event no.: 700600-700631)							
606 - 609 (OM)	User range 6: Byte 5 - 8 (event no.: 700632-700663)							
610 - 613 (FM)	User range 7: Byte 1 - 4 (event no.: 700700-700731)							
614 - 617 (OM)	User range 7: Byte 5 - 8 (event no.: 700732-700763)							
618 - 621 (FM)	User range 8: Byte 1 - 4 (event no.: 700800-700831)							
622 - 625 (OM)	User range 8: Byte 5 - 8 (event no.: 700832-700863)							
626 - 629 (FM)	User range 9: Byte 1 - 4 (event no.: 700900-700931)							
630 - 633 (OM)	User range 9: Byte 5 - 8 (event no.: 700932-700963)							
634 - 637 (FM)	User range 10: Byte 1 - 4 (event no.: 701000-701031)							
638 - 641 (OM)	User range 10: Byte 5 - 8 (event no.: 701032-701063)							
642 - 645 (FM)	User range 11: Byte 1 - 4 (event no.: 701100-701131)							
646 - 649 (OM)	User range 11: Byte 5 - 8 (event no.: 701132-701163)							
650 - 653 (FM)	User range 12: Byte 1 - 4 (event no.: 701200-701231)							
654 - 657 (OM)	User range 12: Byte 5 - 8 (event no.: 701232-701263)							
658 - 661 (FM)	User range 13: Byte 1 - 4 (event no.: 701300-701331)							
662 - 665 (OM)	User range 13: Byte 5 - 8 (event no.: 701332-701363)							
666 - 669 (FM)	User range 14: Byte 1 - 4 (event no.: 701400-701431)							
670 - 673 (OM)	User range 14: Byte 5 - 8 (event no.: 701432-701463)							
674 - 677 (FM)	User range 15: Byte 1 - 4 (event no.: 701500-701531)							
678 - 681 (OM)	User range 15: Byte 5 - 8 (event no.: 701532-701563)							
682 - 685 (FM)	User range 16: Byte 1 - 4 (event no.: 701600-701631)							
686 - 689 (OM)	User range 16: Byte 5 - 8 (event no.: 701632-701663)							
690 - 693 (FM)	User range 17: Byte 1 - 4 (event no.: 701700-701731)							
694 - 697 (OM)	User range 17: Byte 5 - 8 (event no.: 701732-701763)							
698 - 701 (FM)	User range 18: Byte 1 - 4 (event no.: 701800-701831)							
702 - 705 (OM)	User range 18: Byte 5 - 8 (event no.: 701832-701863)							
706 - 709 (FM)	User range 19: Byte 1 - 4 (event no.: 701900-701931)							
710 - 713 (OM)	User range 19: Byte 5 - 8 (event no.: 701932-701963)							
714 - 717 (FM)	User range 20: Byte 1 - 4 (event no.: 702000-702031)							
718 - 721 (OM)	User range 20: Byte 5 - 8 (event no.: 702032-702063)							
722 - 725 (FM)	User range 21: Byte 1 - 4 (event no.: 702100-702131)							
726 - 729 (OM)	User range 21: Byte 5 - 8 (event no.: 702132-702163)							
730 – 733 (FM)	User range 22: Byte 1 - 4 (event no.: 702200-702231)							
734 - 737 (OM)	User range 22: Byte 5 - 8 (event no.: 702232-702263)							
738 - 741 (FM)	User range 23: Byte 1 - 4 (event no.: 702300-702331)							
742 - 745 (OM)	User range 23: Byte 5 - 8 (event no.: 702332-702363)							
746 - 749 (FM)	User range 24: Byte 1 - 4 (event no.: 702400-702431)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
750 - 753 (OM)	User range 24: Byte 5 - 8 (event no.: 702432-702463)							
754 - 757 (FM)	User range 25: Byte 1 - 4 (event no.: 702500-702531)							
758 - 761 (OM)	User range 25: Byte 5 - 8 (event no.: 702532-702563)							
762 - 765 (FM)	User range 26: Byte 1 - 4 (event no.: 702600-702631)							
766 - 769 (OM)	User range 26: Byte 5 - 8 (event no.: 702632-702663)							
770 - 773 (FM)	User range 27: Byte 1 - 4 (event no.: 702700-702731)							
774 - 777 (OM)	User range 27: Byte 5 - 8 (event no.: 702732-702763)							
778 - 781 (FM)	User range 28: Byte 1 - 4 (event no.: 702800-702831)							
782 - 785 (OM)	User range 28: Byte 5 - 8 (event no.: 702832-702863)							
786 - 789 (FM)	User range 29: Byte 1 - 4 (event no.: 702900-702931)							
790 - 793 (OM)	User range 29: Byte 5 - 8 (event no.: 702932-702963)							
794 - 797 (FM)	User range 30: Byte 1 - 4 (event no.: 703000-703031)							
798 - 801 (OM)	User range 30: Byte 5 - 8 (event no.: 703032-703063)							
802 - 805 (FM)	User range 31: Byte 1 - 4 (event no.: 703100-703131)							
806 - 809 (OM)	User range 31: Byte 5 - 8 (event no.: 703132-703163)							
810 - 813 (FM)	User area 32: Byte 1 - 4 (event no.: 703200 - 703231)							
814 - 817 (BM)	User area 32: Byte 5 - 8 (event no.: 703232 - 703263)							
818 - 821 (FM)	User area 33: Byte 1 - 4 (event no.: 703300 - 703331)							
822 - 825 (OM)	User area 33: Byte 5 - 8 (event no.: 703332 - 703363)							
826 - 829 (FM)	User area 34: Byte 1 - 4 (event no.: 703400 - 703431)							
830 - 833 (OM)	User area 34: Byte 5 - 8 (event no.: 703432 - 703463)							
834 - 837 (FM)	User area 35: Byte 1 - 4 (event no.: 703500 - 703531)							
838 - 841 (OM)	User area 35: Byte 5 - 8 (event no.: 703532 - 703563)							
842 - 845 (FM)	User area 36: Byte 1 - 4 (event no.: 703600 - 703631)							
846 - 789 (OM)	User area 36: Byte 5 - 8 (event no.: 703632 - 703663)							
850 - 853 (FM)	User area 37: Byte 1 - 4 (event no.: 703700 - 703731)							
854 - 857 (OM)	User area 37: Byte 5 - 8 (event no.: 703732 - 703763)							
858 - 861 (FM)	User area 38: Byte 5 - 8 (event no.: 703800 -703831)							
862 - 865 (OM)	User area 38: Byte 1 - 4 (event no.: 703832 -703863)							
866 - 869 (FM)	User area 39: Byte 5 - 8 (event no.: 703900 -703931)							
870 - 873 (OM)	User area 39: Byte 1 - 4 (event no.: 703932 -703963)							
874 - 877 (FM)	User area 40: Byte 1 - 4 (event no.: 704000-704031)							
878 - 881 (OM)	User area 40: Byte 5 - 8 (event no.: 704032-704063)							
882 - 885 (FM)	User area 41: Byte 1 - 4 (event no.: 704100-704131)							
886 - 889 (OM)	User area 41: Byte 5 - 8 (event no.: 704132-704163)							
890 - 893 (FM)	User area 42: Byte 1 - 4 (event no.: 704200-704231)							
894 - 897 (OM)	User area 42: Byte 5 - 8 (event no.: 704232-704263)							
898 - 901 (FM)	User area 43: Byte 1 - 4 (event no.: 704300-704331)							
902 - 905 (OM)	User area 43: Byte 5 - 8 (event no.: 704332-704363)							
906 - 909 (FM)	User area 44: Byte 1 - 4 (event no.: 704400-704431)							

DB2	Signals for PLC events (PLC → HMI) FB1 parameter "ExtendAlMsg" = TRUE							
Byte (message type)	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
910 - 913 (OM)	User area 44: Byte 5 - 8 (event no.: 704432-704463)							
914 - 917 (FM)	User area 45: Byte 1 - 4 (event no.: 704500-704531)							
918 - 921 (OM)	User area 45: Byte 5 - 8 (event no.: 704532-704563)							
922 - 925 (FM)	User area 46: Byte 1 - 4 (event no.: 704600-704631)							
926 - 929 (OM)	User area 46: Byte 5 - 8 (event no.: 704632-704663)							
930 - 933 (FM)	User area 47: Byte 1 - 4 (event no.: 704700-704731)							
934 - 937 (OM)	User area 47: Byte 5 - 8 (event no.: 704732-704763)							
938 - 941 (FM)	User area 48: Byte 1 - 4 (event no.: 704800-704831)							
942 - 945 (OM)	User area 48: Byte 5 - 8 (event no.: 704832-704863)							
946 - 989 (FM)	User area 49: Byte 1 - 4 (event no.: 704900-704931)							
950 - 953 (OM)	User area 49: Byte 5 - 8 (event no.: 704932-704963)							
954 - 957 (FM)	User area 50: Byte 1 - 4 (event no.: 705000-705031)							
958 - 961 (OM)	User area 50: Byte 5 - 8 (event no.: 705032-705063)							
962 -965 (FM)	User area 51: Byte 1 - 4 (event no.: 705100-705131)							
966 - 969 (OM)	User area 51: Byte 5 - 8 (event no.: 705132-705163)							
970 - 973 (FM)	User area 52: Byte 1 - 4 (event no.: 705200-705231)							
974 - 977 (OM)	User area 52: Byte 5 - 8 (event no.: 705232-705263)							
978 - 981 (FM)	User area 53: Byte 1 - 4 (event no.: 705300-705331)							
982 - 985 (OM)	User area 53: Byte 5 - 8 (event no.: 705332-705363)							
986 - 989 (FM)	User area 54: Byte 1 - 4 (event no.: 705400-705431)							
990 - 993 (OM)	User area 54: Byte 5 - 8 (event no.: 705432-705463)							
994 - 997 (FM)	User area 55: Byte 1 - 4 (event no.: 705500-705531)							
998 - 1001 (OM)	User area 55: Byte 5 - 8 (event no.: 705532-705563)							
1002 - 1005 (FM)	User area 56: Byte 1 - 4 (event no.: 705600-705631)							
1006 - 1009 (OM)	User area 56: Byte 5 - 8 (event no.: 705632-705663)							
1010 -1013 (FM)	User area 57: Byte 1 - 4 (event no.: 705700-705731)							
1014 - 1017 (OM)	User area 57: Byte 5 - 8 (event no.: 705732-705763)							
1018 - 1021 (FM)	User area 58: Byte 1 - 4 (event no.: 705800-705831)							
1022 - 1025 (OM)	User area 58: Byte 5 - 8 (event no.: 705832-705863)							
1026 - 1029 (FM)	User area 59: Byte 1 - 4 (event no.: 705900-705931)							
1030 - 1033 (OM)	User area 59: Byte 5 - 8 (event no.: 705932-705963)							
1034 - 1037 (FM)	User area 60: Byte 1 - 4 (event no.: 706000-706031)							
1038 - 941 (OM)	User area 60: Byte 5 - 8 (event no.: 706032-706063)							
1042 - 1045 (FM)	User area 61: Byte 1 - 4 (event no.: 706100-706131)							
1046 - 1089 (OM)	User area 61: Byte 5 - 8 (event no.: 706132-706163)							
1050 - 1053 (FM)	User area 62: Byte 1 - 4 (event no.: 706200-706231)							
1054 - 1057 (OM)	User area 62: Byte 5 - 8 (event no.: 706232-706263)							
1058 - 1061 (FM)	User area 63: Byte 1 - 4 (event no.: 706300-706331)							
1062 -1065 (BM)	User area 63: Byte 5 - 8 (event no.: 706332-706363)							