

Note: There may be an incompatibility between functions (see the incompatibility table, page [21](#)). In this case, the first function configured will prevent the remainder being configured.

Code	Description	Adjustment range	Factory setting
LAC  2 s	☐ [ACCESS LEVEL] ⚠ DANGER UNINTENDED EQUIPMENT OPERATION - Assigning [ACCESS LEVEL] (LAC) to [Level 3] (L3) will restore the factory settings of the [Ref.1 channel] (Fr1) parameter, page 58, the [Cmd channel 1] (Cd1) parameter, page 59, the [Profile] (CHCF) parameter, page 59, and the [2/3 wire control] (tCC) parameter, page 47. [Level 3] (L3) can only be restored to [Level 2] (L2) or [Level 1] (L1), and [Level 2] (L2) can only be restored to [Level 1] (L1) by means of a "factory setting" via [Restore config.] (FCS), page 46. - Check that this change is compatible with the wiring diagram used. Failure to follow these instructions will result in death or serious injury. L1 L2 ☐ [Level 1] (L1): Access to standard functions and channel management in order of priority. ☐ [Level 2] (L2): Access to advanced functions in the [APPLICATION FUNCT.] (FUN-) menu: - +/- speed (motorized jog dial) - Brake control - 2nd current limit switching - Motor switching - Management of limit switches L3 ☐ [Level 3] (L3): Access to advanced functions and management of mixed control modes		[Level 1] (L1)
Fr1	☐ [Ref.1 channel] See page 29.		[AI1] (AI1)
Fr2 no AI1 AI2 AI3 AIV1 UPdt UPdH LCC ndb nEt	☐ [Ref.2 channel] no AI1 AI2 AI3 AIV1 ☐ [No] (nO): Not assigned ☐ [AI1] (AI1): Analog input AI1 ☐ [AI2] (AI2): Analog input AI2 ☐ [AI3] (AI3): Analog input AI3 ☐ [AI Virtual 1] (AIV1): Jog dial If [ACCESS LEVEL] (LAC) = [Level 2] (L2) or [Level 3] (L3), the following additional assignments are possible: ☐ [+/-Speed] (UPdt): (1) +/- speed reference via LI. See configuration page 77. ☐ [+/-spd HMI] (UPdH): (1) +/- speed reference via the jog dial on the ATV312 keypad. To use, display the frequency [Output frequency] (rFr), page 101. The +/- speed function via the keypad or the terminal is controlled from the [MONITORING] (SUP-) menu by selecting the [Output frequency] (rFr) parameter. If [ACCESS LEVEL] (LAC) = [Level 3] (L3), the following additional assignments are possible: ☐ [HMI] (LCC): Reference via the remote display terminal, [HMI Frequency ref.] (LFr) parameter in the [SETTINGS] (SEt-) menu, page 32. ☐ [Modbus] (Mdb): Reference via Modbus ☐ [Com. card] (nEt): Reference via network		[No] (nO)

(1) NOTE:



[COMMAND] (CtL-) menu

rEF -
SEt -
drC -
I - D -
CtL -
Fun -
FLt -
COP -
SUP -

Code	Description	Adjustment range	Factory setting
rFC Fr1 Fr2 L11 L12 L13 L14 L15 L16 C111 C112 C113 C114 C115 C211 C212 C213 C214 C215	[Ref. 2 switching] The [Ref. 2 switching] (rFC) parameter can be used to select the [Ref.1 channel] (Fr1) or [Ref.2 channel] (Fr2) channel, or to configure a logic input or a control word bit for remote switching of [Ref.1 channel] (Fr1) or [Ref.2 channel] (Fr2). ☐ [ch1 active] (Fr1): Reference = reference 1 ☐ [ch1 active] (Fr2): Reference = reference 2 ☐ [L11] (L11): Logic input LI1 ☐ [L12] (L12): Logic input LI2 ☐ [L13] (L13): Logic input LI3 ☐ [L14] (L14): Logic input LI4 ☐ [L15] (L15): Logic input LI5 ☐ [L16] (L16): Logic input LI6 If [ACCESS LEVEL] (LAC) = [Level 3] (L3), the following additional assignments are possible: ☐ [C111] (C111): Bit 11 of Modbus control word ☐ [C112] (C112): Bit 12 of Modbus control word ☐ [C113] (C113): Bit 13 of Modbus control word ☐ [C114] (C114): Bit 14 of Modbus control word ☐ [C115] (C115): Bit 15 of Modbus control word ☐ [C211] (C211): Bit 11 of network control word ☐ [C212] (C212): Bit 12 of network control word ☐ [C213] (C213): Bit 13 of network control word ☐ [C214] (C214): Bit 14 of network control word ☐ [C215] (C215): Bit 15 of network control word The reference can be switched with the drive running. [Ref.1 channel] (Fr1) is active when the logic input or control word bit is at state 0. [Ref.2 channel] (Fr2) is active when the logic input or control word bit is at state 1.		[ch1 active] (Fr1)
CHCF Sin SEP	[Profile] (control channels separated from reference channels) Parameter can be accessed if [ACCESS LEVEL] (LAC) = [Level 3] (L3), page 58. ☐ [Not separ.] (SIM): Combined ☐ [Separate] (SEP): Separate		[Not separ.] (SIM)
Cd1 ★ tEr LOC LCC Mdb nEt	[Cmd channel 1] Parameter can be accessed if [Profile] (CHCF) = [Separate] (SEP), page 59, and [ACCESS LEVEL] (LAC) = [Level 3] (L3), page 58. ☐ [Terminal] (tEr): Control via terminals ☐ [Local] (LOC): Control via keypad ☐ [Remot. HMI] (LCC): Control via remote display terminal ☐ [Modbus] (Mdb): Control via Modbus ☐ [Com. card] (nEt): Control via the network		[Terminal] (tEr)



These parameters only appear if the corresponding function has been selected in another menu. When the parameters can also be accessed and set from within the configuration menu for the corresponding function, their description is detailed in these menus, on the pages indicated, to aid programming.