# Software code description

This document provides explanation of the software code descriptions.



## Software coding

**Standard Control Programs**

ADIF = Diode Supply (DSU)

AISF = Inverter Supply (ISU)

AINF = Inverter Drive (INV)

ALHF = IGBT Supply Control Program

ABCF = Brake Control Program

ARRF = Regenerative Rectifier Control Program

**Application Control programs**

ACRL = Crane Software

AWIL = Winder Software

ACDL = Centrifuge Software

AOAL = PCP/ESP Pump Software

BCTL = Cooling Tower Software

## Hardware type (Target in the loading package)

Defines the control hardware type and version:

1, 3, 5 = for demo cases

0 = for ZCU-11 control unit rev. B ->

2 = for BCU control unit, for any unit in parallel connection. DSU, ISU, DBU, RRU or INU

4 = for ZCU-13 control unit rev. B -> and ZCU-11 rev. C ->

6 = for ZCU-12 or ZCU-14, the current control units

7 = demo case for ZCU-12 and ZCU-14 rev. A ->

## Other information

Version number:



**Memory unit type**

+ZMU-01 up to software version 1.63.1

+ZMU-02 from software version 1.60

**Plus codes**

Synchronous motors:

+N7502

CoDeSys licence or installed CoDeSys programming:

+N8010

CRANE software:

+N5050

Winder software:

+N5000

Centrifuge software:

 +N5150

PCP/ESP pump software:

 +N5200

SynRM PCP/ESP pump software:

 +N5400

Cooling Tower software:

+N5350

Additional +codes of application software exists and are in development

## Memory unit software by product type:

**ACS880-01:**

ZCU-11 rev. B -> AINF0

ZCU-11 rev. C -> AINF4

ZCU-12 AINF6

**ACS880-04:**

ZCU-13 rev. B -> AINF4

ZCU-14 AINF6

BCU-x2 AINF2

**ACS880-07:**

BCU-x2 (560-2800kW) AINF2

ZCU-12 (R6 to R9) AINF6

ZCU-14 (R10 to R11) AINF6

**ACS880-104:**

ZCU-12 (R5i) AINF6

ZCU-13 (up to R7i) rev. B -> AINF4

ZCU-14 (up to R7i) AINF6

BCU-x2 (R8i and multiples) AINF2

**ACS880-204:**

ZCU-13 (up to R7i) rev. B -> AISF4

ZCU-14 (up to R7i) AISF6

BCU-x2 AISF2

**ACS880-304:**

ZCU-13(+A003) ADIF0

BCU-x2(+A018) ADIF2

**ACS880-107:**

ZCU-12 (R5i) AINF6

ZCU-13 (up to R7i) rev. B -> AINF4

ZCU-14 (up to R7i) AINF6

BCU-x2(+A018) AINF2

**ACS880-207:**

BCU-x2(+A018) AISF2

**ACS880-307:**

ZCU-13 (+A003) rev. B -> ADIF0

BCU-x2(+A018) ADIF2