

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **95 072 - 14 HH**

Company **ABB AB**
Control Products
Motorgränd 20
721 61 Västerås, SWEDEN

Product Description **Power contactors with Electronic Coil Interface**

Type **AF190-30, AF205-30**

Environmental Category **C**

Technical Data /
 Range of Application

Poles : 3
Conventional thermal current Ith(40°C) : 250 - 275 A (AC-1)
Rated current Ie (440V/60°C) : 190 - 205 A (AC-3)
Rated operational voltage Ue : 220-440/ 500-690/ 1000 V AC
Rated insulation voltage Ui : 1000 V
Rated impulse withstand voltage Uimp : 8 kV
Rated frequency fe : 50/60 Hz
Utilization category : AC-1, AC-3
Rated control circuit voltage Uc : 24-500 V AC / 20-500 V DC
100-500V AC/DC with PLC

Auxiliary contacts : CAL19 1(2)NO + 1(2)NC
Rated control circuit voltage Uc : 24 - 690 V AC
Conventional thermal current Ith : 16 A
Rated impulse withstand voltage Uimp : 6 kV

Degree of protection : IP00

Test Standard **GL Guidelines for the Performance of Type Approvals, Chapter 2 - Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012, EMC 1, IEC 60947-1:2007, IEC60947-4-1:2009**

Documents **Test reports : SE-71797M2, SE-71798M2 dated 11.04.2014**
REC-E703770_2 dated 07.01.2014, Intertek 112438-1, -2, -3 dated 16.11.2013,
1314369 dated 18.12.2013, Summary of Test Report acc. ABB sheet U13-068
dated 2014-09-22

Remarks **This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.**

Valid until **2019-10-26**

Page **1 of 1**

File No. **I.K.03**

Hamburg, 2014-10-27

Type Approval Symbol



DNV GL

[Signature]
 :A.
 Arne Schaarmann

[Signature]
 Harald Amberger