

2020 Series Update 1.1

This package includes all updates for Electro Graphics products 2020 Series.
Following a description of the new features and corrections.

CADelet, iDEA, Eplus

Save to PDF with location filter

Fixed anomaly in the Save to PDF function (SALVAPDF command) for which the Filter by location option produced a PDF file not containing only the sheets of the selected locations. The anomaly occurred in the case of a multi-sheet scheme consisting of two or more drawings and if the management of the multi-sheet used the "Sigla + Location + Function" triad to identify the sheets.

Cable chart

Fixed anomaly in which cables inserted in the drawing through the Define cable on drawing function (SETCAVO command) with insulated wires, that is not connected to any symbol, did not appear in the Cable table (function in Cablo module).

Cable drawing from cable list

The orientation of the cables' origin and destination components in the cable drawing has been improved by the Cable list function (LCAVI command), in the particular case of cables having one or more conductors with one end not connected.

Terminal block drawing

Fixed anomaly due to which the disabling of the "Keep terminals of the same group contiguous" setting in the terminal block drawing profiles (DIMO11 command) had no effect and, consequently, the order of drawing of the terminal block still maintained the contiguity between terminals of the same group.

Units diagram

Fixed anomaly for which in some cases the table of the origin panel was not reported.

PLC

The operand table, for operands with multiple pins, now lists all the connected wires.

Text Conversion

Fixed anomaly in the execution of the text translation function (TRAD command) with the "All diagram" mode.

Cable conductor constraints

Remove drawing constraints function (ELIMINAVIN command) lets now to delete all the cable conductor constraints entered using the Define cable function (SETCAVO command) and the related markers.

Visibility attributes of terminals and connectors

Improved management of the visibility of attributes that interfere with wires or other lines when inserting terminals and connectors.

Opening multi-sheet Pdf with Acrobat, via command line

A Pdf file generated by CADelet / Smart / iDEA / Eplus multi-sheet prints can also be opened in Windows via a Windows command line instruction. This method, which can also be used by third-party software, allows you to specify an abbreviation and therefore open the multi-sheet page that contains the component with the abbreviation sought. The pdfs produced after the installation of update 1 allow you to use this property.

The following example is the start command via Acrobat Reader, which opens the Pdf automation_project.pdf on the page that contains the M17 code element:

```
AcroRd32.exe /A "nameddest=M17" "automation_project.pdf"
```

Network management

- Disconnect selected: this new function allows you to dissociate a manual selection of elements from a terminal user.

- Checking for cramming in the presence of multiple conduits: corrected the video verification of the cramming state of the conduits, which did not take into account the possible multiplier assigned to the channels or pipes.

Updating title blocks in the plan sheets

The Edit default title block function (CARTIGLIO command) now also updates the title blocks of the plan sheets with the job data.

Delete unused connectors

In the connector management window (CONNETTORI command) the Delete unused connectors utility has been added which removes all the connectors without pin symbols inserted in the diagram from the list. The utility is present in the contextual menu of the window.

Terminal board tables

In the automatic drawing of two or more terminal board tables (DMOR1 command) confirmation is now required to create a new sheet only once instead of for each table as previously. The tables will be reproduced in sheets subsequent to the first assigned.

PLC: preferences for operand types

Fixed cases of emptying of the types of operands defined in Preferences.

CADelet / iDEA / Eplus and Tabula material printouts and tables

Customized printout can include, as additional columns, the following information relating to the bill of materials: Power loss, Total power loss and Operating temperature.

The fields can also be included in the printout export function.

Cablo

Exporting list of labels

- Correct cases of anomalous ordering of the list of terminal plates, extracted according to the terminal board index of Cablo.
- On the plates of terminals with two or more pins, now the identification of the same pins is not repeated.

Tabula

Printouts

- Corrected anomaly for which for some typologies of printouts the "Bill of material detail" option was ignored.
- Correct anomaly found, for some types of printouts, in the summation of the articles when the options Subdivision by location, Explosion bill of materials and Omit bill code, were active.
- Correct anomaly found in printouts with base bill not kit, in the reporting of the totals of the columns Amount, Total weight, Total dissipated power, Total time.

Ampère line

Technical Connection Rules according to the standard CEI 0-16:2019-04

The choice of the Technical Connection Rules has been updated with respect to the CEI 0-16: 2019-04 standard. You can select it in the Properties window, where you can also open the corresponding PDF document.

Terminal units with multiple loads

The calculation of the overload current (Ins) in units with concentrated load has been improved. If the Ins value depends on a protection placed in an upstream distribution unit, it is divided by the number of loads of the terminal unit, in order to specify the portion of the current seen by each of them. The possible transfer coefficient specified in the end unit is also considered.

IT systems and 1N protections

If you insert a "1N" protection in IT, F + N systems, Ampère now reports a yellow warning (according to Italian CEI standard).

The CEI 64-8 art. 473.3.2.2 admits the use of 1N protections, but this solution can be dangerous: a double fault may not be seen if not all protected poles are connected to the phase.

Therefore in the comment of the verification reported by Ampère it is explained that the CEI standard admits the solution, but it may not be sufficient.

Printouts

The printouts now show the translated texts according to the language set in the selected printout profile. Previously the texts were printed in the language of the Default profile.

Long delay parametric curves

The interface for defining long delay parametric curves has been improved, to avoid the acquisition of irrelevant data, with consequent not correct representation of the intervention curve.

Multiple units editing
Correct anomaly in the multiple editing of three-phase and single-phase units, with the option "Assign voltages automatically" option not active; in single-phase units the phase voltage could be not correct.

Verify indirect contacts on photovoltaic systems

Correct anomaly in checking indirect contacts in photovoltaic systems. For some users of the photovoltaic network, the verification could be "verified" in discrepancy with the control data (Minimum fault current vs Protection calibration), correctly calculated and reported in the unit status reports.

Multiproject

Fixed problem on connecting a file to a multiproject, due to particular settings of the ground network of the added file.

67N protection

Correct anomaly in the unit's data dialog, Protection tab: the checkbox that highlights the presence of 67N protection in some situations was not enabled.

Multiproject printouts

Fixed anomaly in PDF printing of a global project obtained by calculating and saving a multiproject; it could generate an error.

Medium voltage with insulated and compensated system

For medium voltage networks, it is now possible to choose between supply with isolated system or compensated system. In the first case the supply reactance is of the capacitive type, in the second it is of the inductive type.

UPS

Corrected an anomaly in the calculation loads with UPS which in some cases generated a memory error during execution.

Technical file with bookmarks

Bookmarks relating to the document index are now generated in the PDF document of the technical file.

EGLink

Data updating

Correct synchronization anomaly between the data "Circuit type" in EGLink and "Phase connection" in Ampère.

Power reading from Revit symbols

A new function lets to update the the powers and the power factors in the Ampère project units reading data from the Revit elements.

Solergo

Import time profile from csv format files

Within the load profile definition section, the "Import time profile from csv file" command can now import both csv files with hour profile and csv files with quarter-hour profile. Previously, only csv files with quarter-hour profile were imported.

Automatic arrangement of modules on area

Improved positioning of modules on defined areas. In some conditions, the interaction of different areas of installation could prevent the optimal arrangement of the modules.

All products

Articles archive

- Correct case of error in execution of the Unload materials function.

- Correct case of error or failure on printing the inventory list.
- The filter by Series is also available for the Price variation function.
- Activated the search for Alternative code, Alternative code 2 and Alternative code 3 in fast and global mode. Also improved the search for codes containing spaces.

[Cable archive: new column conductors color](#)

In the Cables archive window, it is now possible to add a column to report the color sequence of the first 5 conductors for each cable. The new column is not active by default: to activate it, click on the column header and select the Colors column.

[Other fixes and improvements](#)

Fixed additional specific anomalies related to isolated cases.