TechTip: Generating engraving text from source and target of the cable

Functionality

The action `XCCreateGravingtextAction` can be used to generate an engraving text for cables from the DTs of the source and target of the cable. The value determined by this means is entered into the field **Engraving text** on the cable definition line. The designation is abbreviated beforehand in accordance with the VASS standard (**V**olkswagen **A**udi **S**eat **S**koda). To this purpose structure identifiers of the same name are removed from the source and target, starting from the left. A parameter can be used to exclude the location designation from the abbreviation.

The engraving text is entered at the main and auxiliary functions of the cable definition. Shields are taken into consideration as well.

Preconditions

The action `XCCreateGravingtextAction` can be used as of Version 2025.

Application

Mark the cable or shield symbol to be edited and call up the action `XCCreateGravingtextAction` with the parameter `/Complete:0` or `/Complete:1`.

The information contained at the cable in the properties **Cables: Source (with plug DT)** (ID 20383) and **Cables: Target (with plug DT)** (ID 20385) is shortened and transferred to the property **Engraving text** (ID 20025).

As an alternative to the selection of an individual cable, you can also make a selection in the page or cable navigator. Subsequently call up the action with one of the two parameters.

Description of the parameters

`XCCreateGravingtextAction /Complete:0` creates an engraving text that, starting from the left, removes, i.e. shortens, structure identifiers of the same name from the source and target. During the transfer, the source information is separated from the target information by a slash "/" and a subsequent line break.
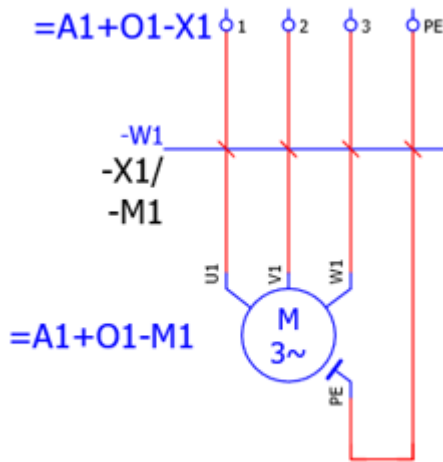
Figure 1 Result with parameter /Complete:0

The selection of the parameter `/Complete:1` differs from `/Complete:0` in that location designations of the same name are excluded from shortening. A location designation of the same name therefore also remains in the result.
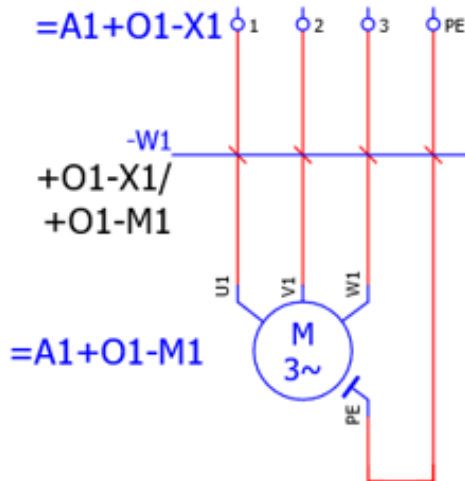

Figure 2 Result with parameter /Complete:1

A call of `XCCreateGravingtextAction` without parameters behaves as with `/Complete:0`.