quickpin manual

select – configure – delivered in 3 days

plastics for longer life®...

igus.eu...

www.quickpin.eu
1. What are the advantages provided by QuickPin to the user?
- With the QuickPin it is possible to configure individual cables and to revise existing configurations within just 3 minutes. Wrong combinations are thereby excluded despite 1030 chainflex® cables and thousands of possible connector combinations. Another advantage for EPLAN Electric P8 users: The macro that can be directly integrated in your project is available free of cost with every request/order.

2. Why does the QuickPin have such a process reliability?
- First, we have absolutely no loss of information, because on receipt of an order through the QuickPin, the system automatically creates the necessary production documents precisely according to the customer configuration. Second, the cables are tested for possible material or assembly errors using the quality control plans before shipment.

3. When will your customers get the free EPLAN macro?
- Just a few hours after receiving the request, our readychain® experts will send the created EPLAN macro to the user. If the QuickPin is directly started from EPLAN using the add-ons from our website, then the macro is downloaded immediately in EPLAN.

Interview ...

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1. General information ...

It is possible to change between the different configuration steps during the entire configuration of the cable. Each configuration step is shown graphically as well as in text form.

Various information on the relevant main screen can be found on the information screen. A link to the demo video as well as your direct contact for further questions are always listed. The notification area can be closed or reopened with <<. Use the Forward >> button to change to the next configuration step after all mandatory fields are filled or the connector components are purposefully selected. Please note: If the browser window is closed during configuration, all previously entered information will be lost.
2. Cable selection ...

2.1) Selection by cable family

- Control cable
- Data cable
- Bus cable
- Measuring system cable
- Coaxial cable
- Servo cable
- Motor cable
- Robot cable
- Special cable

a) Select from the following chainflex® cables:

b) Now the cable quality will be defined.
c) The next step requires a little knowledge of cable products to speed up the search for the right cable. In case this knowledge is not available then the information about this cable is presented in the window “Detail“, as soon as you select a cable in the bottom left window using a mouse click.

d) Using the configuration description this configuration is assigned a name under which a subsequent identification is possible.
e) The cable length can be defined with centimetre precision, the minimum length being 1 m. You have two lines of 8 characters each at your disposal as cable marking, which is identically attached on both sides of the cable ends. In addition, each cable is assigned a unique part number, which is printed along with the cable length.

2.2) Selection by cable parameters

With the aid of the magnifier you can search in a restricted or targeted manner. By specifying a part number (pay attention to upper case/lower case!) even partially, only the cable types that meet these criteria are listed. A further filtering can be done by the min. & max. cable diameter. The search can give details anew about the specification of the number of cores and whether that number could be even higher. Finally, the selection of an overall shield results in another reduction of the number of eligible cables.
3. Choosing the connector family

The cable treatment is defined in the next step. Here are several connector manufacturers to choose from, which can be selected only when the used cable technically suits the appropriate connector.

Example: motor cable doesn't suit the round signal connector
4. Connector specification

Basically all connector & core treatments can only be configured as it is technically feasible. If a selection already made by changing other selection criteria is nonsensical, this icon appears next to the relevant selection box. By opening this selection window (in this example "size"), the technically feasible optimisations appear in black and non-matching in yellow.

It is possible to select a connector type that is too small at a lower specification to accommodate the used chainflex® cable. This can happen, for example, in a control cable with the cable structure 5 x 0.34 mm², when selecting a round power connector, and then not an M17, but an M40 (power plug size. 1.5) or higher. For this purpose, the reference to a conflict regarding the cable diameter appears in yellow below the connector.

E.g. Sub-D: a 9 pin insert will only fit in the housing size 1. If a 15 pin insert is selected, then the yellow exclamation mark is displayed until the housing is adapted accordingly.
If it turns out that the connector type is not chosen optimally, then you can change the plug type via the "Connector selection" box. Another option is to make the changes in the connector selection.
The following images show other possible connector specifications:

**Round power connector**

Choose connector with part no of manufacturer

Part No. Of manufacturer

Housing size

Contact type

ÜWM = union nut
AG = male thread

**Round signal connector**

Choose connector with part no of manufacturer

Part No. Of manufacturer

Housing size

Rotating direction of insulator

Orientation of housing

Contact type

ÜWM = union nut
AG = male thread
**Open end**

- Stripping length
- Cross section, shield and core colours
- Connect inner-/pairshield with total shield
- Delete assignment by drag & drop
- Contact type
- Individual length of wire
- Length of folded back shield
- ... or same length for all wires
- Copper band or shrinking tube

**Stripping length**

- Shield treatment
  - Copper strip
  - Shrink hose

- Individual length of wire
  - 35

- Length of folded back shield
  - 50
  - 200
  - 400
  - 500
5. Core treatment/pin assignment

The core assignment on the connector can take place automatically or by the pull-down window that can be opened with the icon ▶.

It is also possible to pull the cores to the desired contact by drag & drop. If the ❌ icon is not visible any more, then the mouse button can be released and the core is connected to the corresponding contact. In addition, all cores of the same type can be connected by clicking on the icon next to the crimp ▸. Basically, all connections can be deleted by [Reset all] or by pulling the individual assignments to "Trash".
6. Configuration via the igus® website

All information about the configuration is listed in the detailed summary. Among other things, the EPLAN macro will be created after clicking the "Request/Order" button. Note: If you leave this page without clicking this button all information is lost and you will have to reconfigure. After clicking the "Request/Order" button, it is also possible to create a new/additional cable configuration. In case no further configuration is needed, it can be shifted directly into the cart, and then enter the contact details and send the request or order. For incoming request or order, the free EPLAN macro is immediately sent to the specified email address.

6.2 Configuration from EPLAN into QuickPin

The igus® add-in for EPLAN P8 has an icon that takes you directly to QuickPin. This way, after clicking the "Request/Order" button, you can switch directly back to the EPLAN software without having to fill in contact details. After clicking the "Request/Order" button, the automatic download of the free macro takes place immediately, which can then be directly integrated in the current project from the EPLAN download manager. More information on EPLAN integration can be found in the download area "Programme"/"readychain®" at www.igus.de/downloads.
The readychain® cable assembling

Capacity of 600,000 assembled cables a year ...
... over 18,000 test programmes ... 1800 test adapters ...

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