



FACTORY AUTOMATION

THE MODULAR ASSEMBLY CONCEPT

FOR VARIKONT, VARIKONT M, FP



THE NEW MODULAR ASSEMBLY CONCEPT

OFFERS THE USER MANY ADVANTAGES

What exactly do we mean by “Modular Assembly”?

By modular assembly, we mean the separation of the upper section (Initiator) from the lower section (Connections) for all inductive, capacitive, magnetic, photoelectric and ultrasonic initiators in the VariKont, VariKont M and FP product series. In future you will receive these three types of sensors as module kits – and this is where you will benefit from the many advantages that this new system offers in terms of delivery and installation!

These are the real advantages:

Ordering

The same principles apply as before. You order using the same type description as before, so you don't have to change your documentation or release lists. At the same time, you now have more options to choose from when selecting the devices. For example, there are now versions with metric threaded bases as well as a version for direct AS-Interface connection.

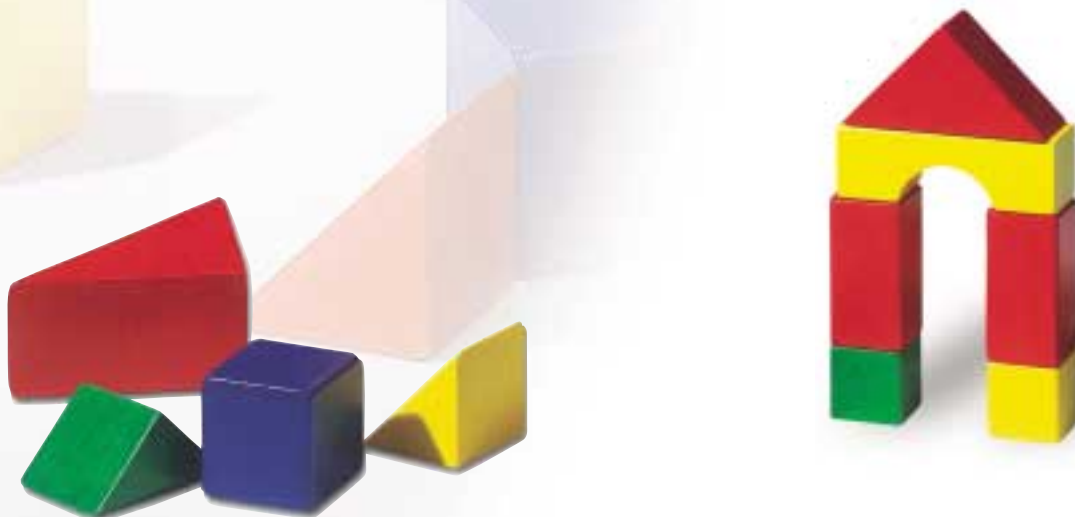
Delivery

By separating the upper and lower sections, we are now able to offer you a larger range of products Ex-Stock. As a rule, a single call will suffice for your order to be dispatched to you – on the same day! The upper and lower sections are packed separately; but naturally, you will receive the complete order in one package.

Installation

Previously you had to separate the upper and lower sections prior to installation. Now you can install and connect the separately packed lower section directly. Meanwhile, the upper component – the actual initiator – awaits installation in the protective packaging.

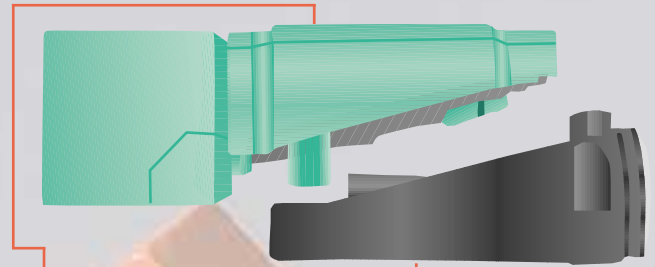
If subsequent commissioning is to follow immediately, simply attach the initiator to the lower section – and the job's done!



The following base sections can be combined:



VariKont Set

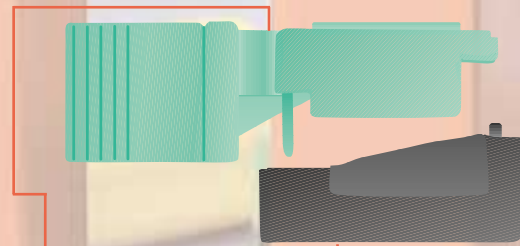


Upper section	Lower section	Material	Cable gland connection
e. g. NJ 15	...+U1+...	PBT	PG13,5
e. g. NJ 20	...+U1M+...	PBT	M20
⋮	...+U2+...	PBT	1/2 NPT
⋮	...+U3+...	Metal	PG13,5
	...+U3M+...	Metal	M20
	...+U4+...	Metal	1/2 NPT
	...+U9+...*	PBT	PG13,5, 6-pin
	...+U9M+...*	PBT	M20, 6-pin
	...+U9A+...	PBT	AS-i – direct connection for flat cable
	...+U10+...	PBT	including seal and cable gland

*Only for ultrasonic sensors



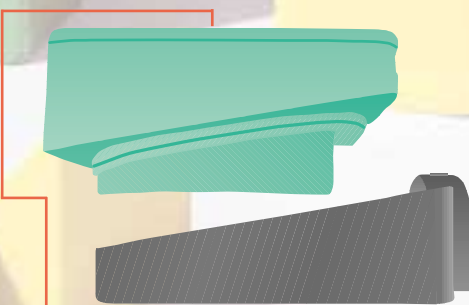
VariKont M Set



Upper section	Lower section	Material	Cable gland connection
e. g. NJ 15	...+M1K+...	PBT	PG9
e. g. NCN 15	...+M1M+...	PBT	M16



FP Set



Upper section	Lower section	Material	Cable gland connection
e. g. NJ 40	...-P1	PBT	PG13,5
e. g. NCN 50	...-P1M	PBT	M20
⋮	...-P2	PBT	1/2 NPT
⋮	...-P3	Metal	PG13,5
	...-P3 M	Metal	M20
	...-P4	Metal	1/2 NPT
	...-P5 *	PBT	PG13,5, 5-pin
	...-P5M*	PBT	M20, 5-pin

*Only for ultrasonic sensors



Do you need a sealed cable connection?

In the VariKont series, we are able to offer special initiators under the designation "U10", with the following features:

- Lower section with integrally moulded thread, including seal and screwed cap
- No other accessories are required
- Sealing to protection class IP68
- Particularly good protection, even if the cable exit is pointing upwards
- User-friendly installation



Initiators with metric cable glands in accordance with DIN EN 50262/VDE 0619

Initiators with the new metric cable gland are your passport to the future. The 10 PG-sizes will be replaced in the future by 8 metric sizes. The reason for this change is the adaptation of the German standards to those internationally accepted. Another factor is the requirement for easier readability by providing a specific statement of the external diameter. However, for a transitional period, the customer will still have a choice between PG and metric cable glands.

We are already able to supply all the initiators presented here in accordance with the standard for metric cable glands. These types are identified by the letter "M" in the type code,

e. g. **NCN15+M1M+E5**
NCN40+U1M+E2
NCN50-FP-Z2-P1M



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