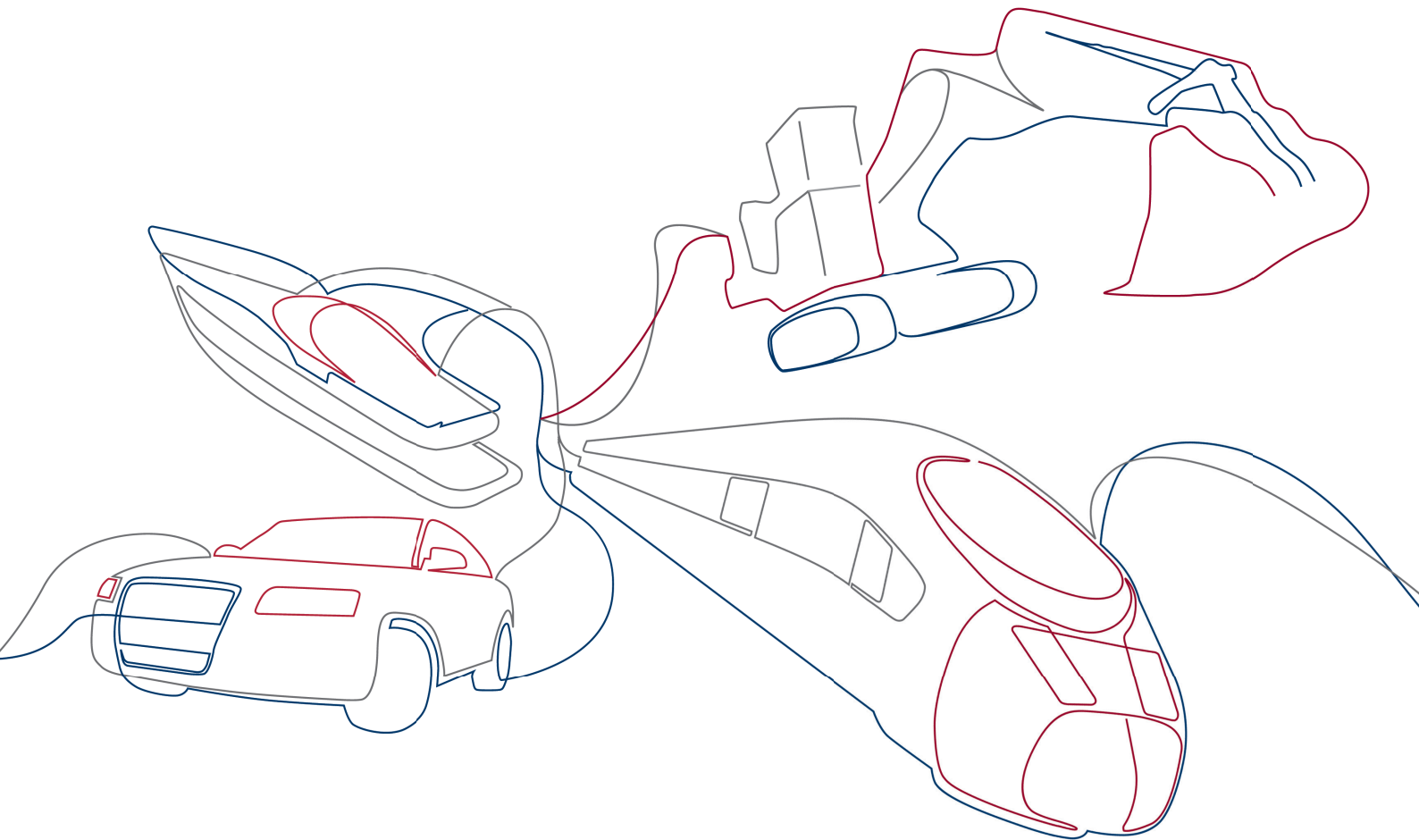


MANUAL CONNECTOR HAKU 0-3



MANUAL CONNECTOR HAKU 0-3



PRODUCT INFORMATION

The manual connectors can be produced and used as control current and three-phase current couplings or in combination with both types of coupling. Due to their robust construction, our products offer a long service life with low maintenance.

The respective version is equipped individually according to the customer's wishes and requirements.

APPLICATION AREAS

- Individual applications in rail, vehicle, mechanical engineering, agriculture and industry
- For stinger systems in the maintenance area
- For use as control current and three-phase current couplings
- For filling level monitoring
- Individual applications – depending on the application area, the products can be adapted to the customer's wishes

FUNCTION

- Perfect current transmission, adapted to customer-specific application conditions
- Contacts and connection elements protected against dust and water even under rough environmental conditions
- Depending on the version, equipped with safety lock against unintended decoupling and disconnection
- Lockable cap for protection against misuse

Commitment to quality: We supply this product in accordance with our tested and certified quality standard



IATF 16949
Quality management standard
for the automotive industry



DIN EN 15085 CL1
International welding
certification for railway
vehicles



**IRIS Certification™ based
on ISO/TS 22163:2017**
Quality management
standard for the railway
industry

TECHNICAL DATA

The model to be selected depends on the respective customer requirements. The weights differ according to equipment. The weights stated here are average values.

The tried and tested quality and reliability of the manual connectors listed below are based on numerous patents which we use in the cooperation with our customers.

SPECIFICATION	DESCRIPTION	HAKU 0	HAKU 1	HAKU 2	HAKU 3
Standards	Protective type (EN 60529)	IP54 (coupled)	IP56* (coupled)	IP54* (coupled)	IP67* (coupled)
	Layout of contactors according to EN 50124-1	-	yes	yes	yes
Connection type	Number of poles	2 to 3	1 to 15	1 to 44	1 to 111
	Contact connection	screwed	crimp/screwed	crimp/screwed	crimp/screwed
Electrical data	Rated voltage	42 V	400 V	1500 V	3000 V
	Rated current	10 A	200 A	500 A	500 A
Mechanical properties	Safety lock	-	-	yes	yes
Application conditions	Temperature range	-30 °C ... +90 °C	-30 °C ... +90 °C	-30 °C ... +90 °C	-30 °C ... +90 °C
Materials	Plug housing	Cast aluminium	Cast aluminium	Cast aluminium	Cast aluminium
	Socket housing	Cast aluminium	Cast aluminium	Cast aluminium	Cast aluminium
	Contacts	Copper or brass alloy	Copper or brass alloy	Copper or brass alloy	Copper or brass alloy
Weights	Plug (without cable)	ca. 300 g	ca. 1500 g	ca. 2600 g	ca. 7000 g
	Connection socket	ca. 700 g	ca. 2000 g	ca. 3300 g	ca. 5700 g

* higher protection levels are available on request

MANUAL CONNECTOR HAKU 0

Product information

The 2 or 3-pole connector is used for filling level monitoring, e.g. for diesel-powered vehicles or diesel locomotives or for locomotive lighting.

Socket and plug can be equipped with pin or bush contacts depending on the application case. Individual colouring is available on request.



MANUAL CONNECTOR HAKU 1

Product information

The manual connector size 1 can be used as a control current and three-phase current coupling. The plug is arrested by means of the socket cap.

These manual connectors can be supplied, for example, as follows:

- 15 control current contacts (25 A, 110 V)
- 2 three-phase current contacts (200 A, 400 V)

This model can be equipped individually according to the customer's wishes and requirements. Individual colouring is available on request.



MANUAL CONNECTOR HAKU 2

Product information

This model can be used as a control current and/or three-phase current coupling. A safety lock provides protection against unintended disconnection of the plug. Depending on the requirements, 1 to 44 contacts can be integrated. For example, 3 three-phase current contacts (200 A, 380 V) or 2 three-phase current contacts (100 A, 200 V) and a further 9 control contacts in combination.

This model can be equipped individually according to the customer's wishes and requirements. Individual colouring is available on request.



MANUAL CONNECTOR HAKU 3

Product information

This model was developed for particularly high currents or a large number of control lines. The plug is arrested in the socket by means of a coupling clip. A safety lock provides protection against unintended disconnection of the plug. It can be equipped with up to 111 contacts. For example as an alternating current coupling with 5 contacts (500 A, AC440 V) and a further 8 control contacts (25 A, DC72 V).

This model can be equipped individually according to the customer's wishes and requirements. Individual colouring is available on request.





OUR BENEFITS FOR YOU:

- Punctuality
- Consistently high quality all over the world
- Comprehensive service wherever you are in the world
- Years of expertise for your product
- International presence
- On-site engineering service – from prototyping to after-sales
- Original manufacturer
- A team just for you



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