TECHNOLOGY FOR THE WELDER´S WORLD.

EN **Instruction leaflet**

RTM ABIx Freedrive
RTM ABIx EasyTeach
EN **Flange**

ABICOR BINZEL® ROBOTIC SYSTEMS

www.binzel-abicor.com

1 Identification

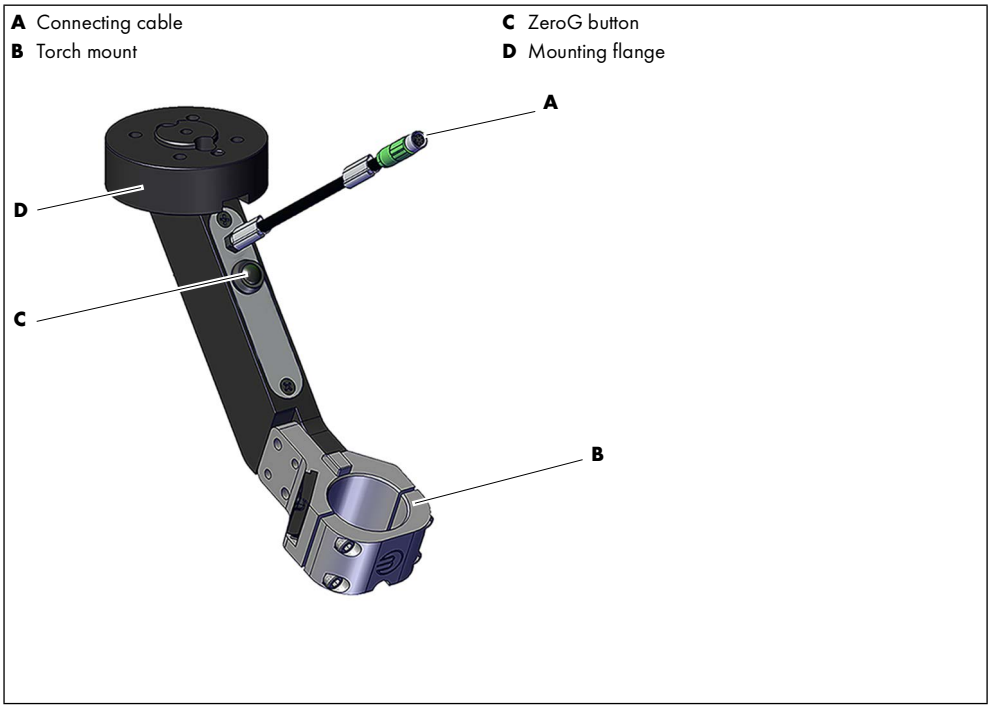
This instruction leaflet describes how to assemble the flange to the cobot and the welding torch to the torch mount.

- ► Consult the documentation for the welding components.
- ► Only qualified personnel are permitted to perform work on the device or system.

2 Product description

The RTM ABIx Freedrive/RTM ABIx EasyTeach flange is available in a one-button Freedrive version (Fig. 1) or a three-button EasyTeach version (Fig. 2) as shown below. Each has an 8-pin M8 socket interface.

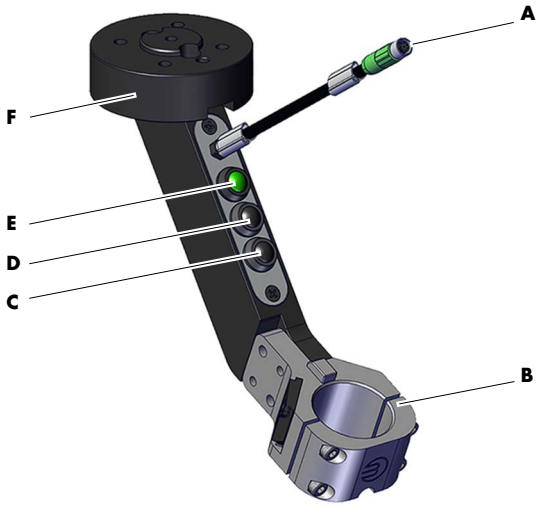
Fig. 1 RTM ABIx Freedrive



The ZeroG button releases the robot axis (ZeroG) and makes it easier to move the robot by hand.

Fig. 2 RTM ABIx EasyTeach

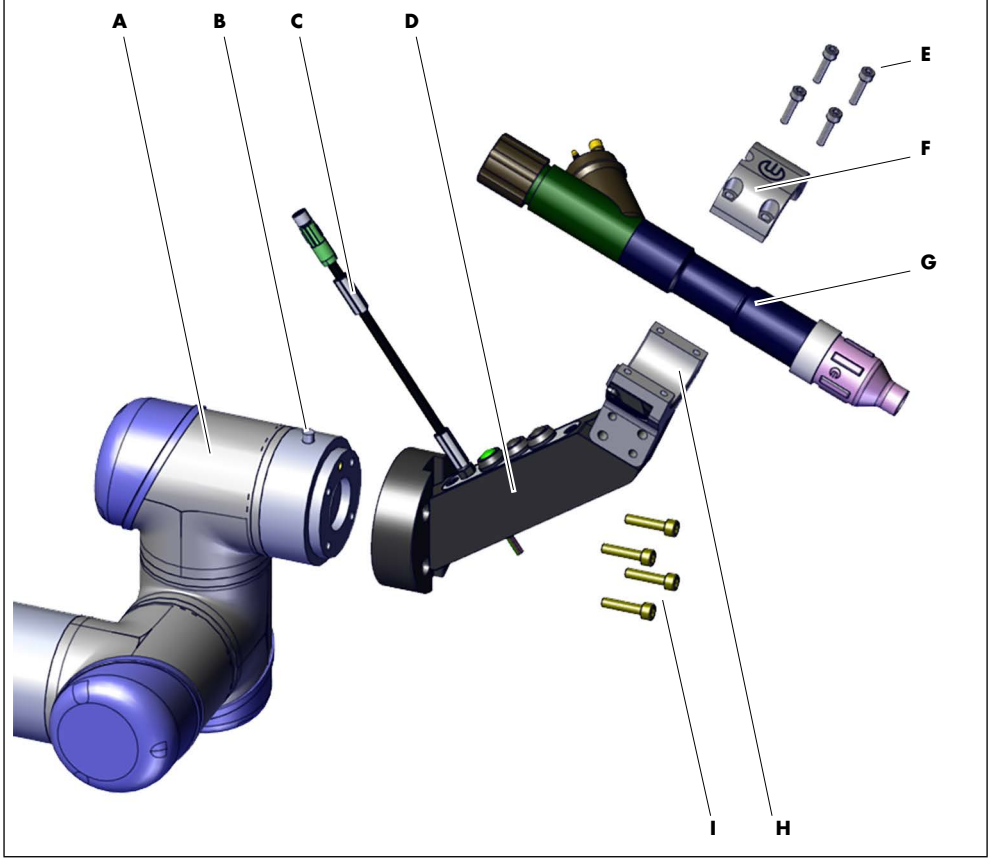
A Connecting cable
B Torch mount
C <Welding functions> button
D <Movement programming> button
E <Robot movement release> button
F Mounting flange



3 Mounting the flange and the welding torch

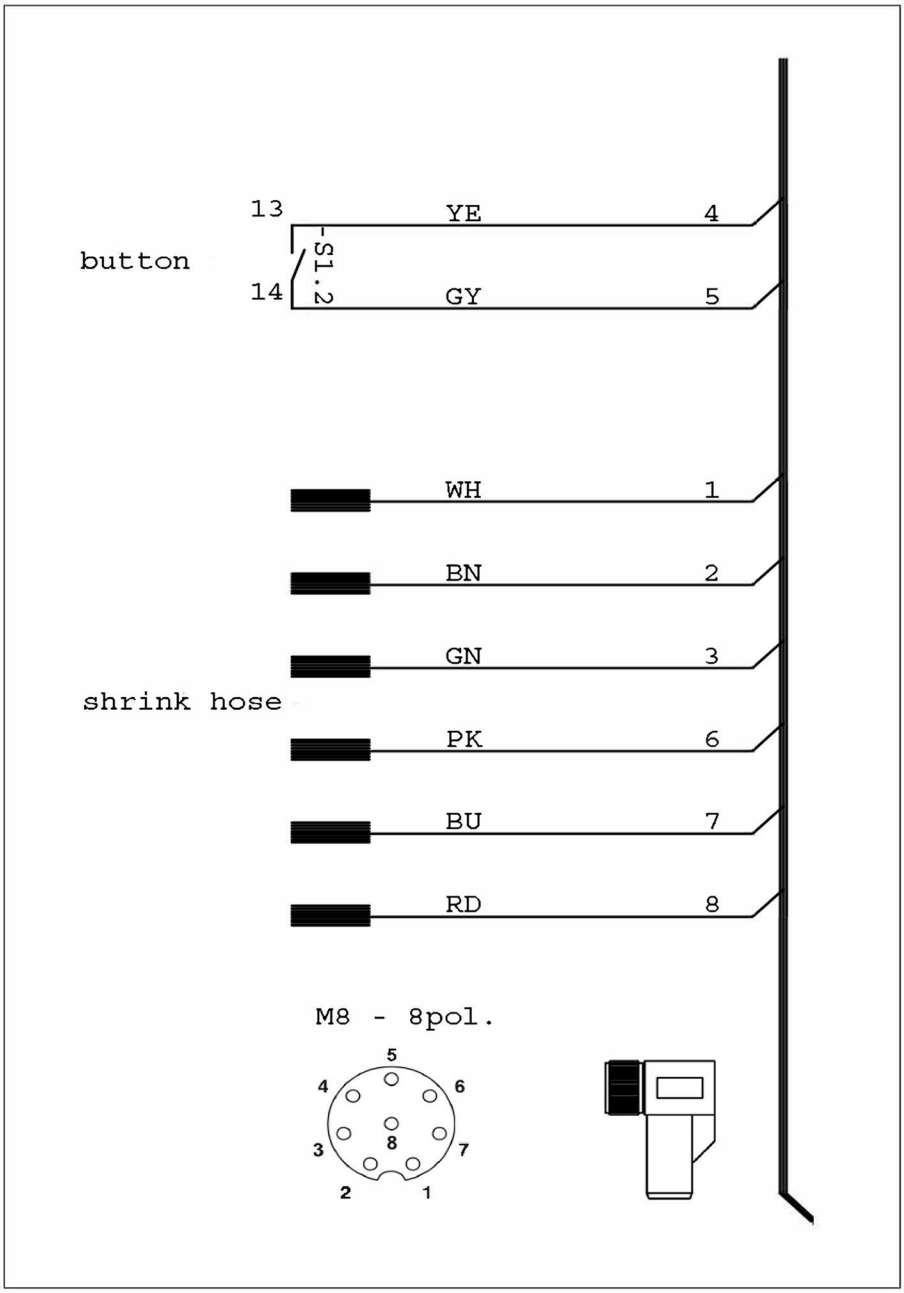
Fig. 3 Mounting the flange and the welding torch

A Robot
B Robot connection
C Connecting cable
D Flange
E 4× cylinder head screws M5x20
F Clamp
G Welding torch
H Torch mount
I 4× cylinder head screws M6x25

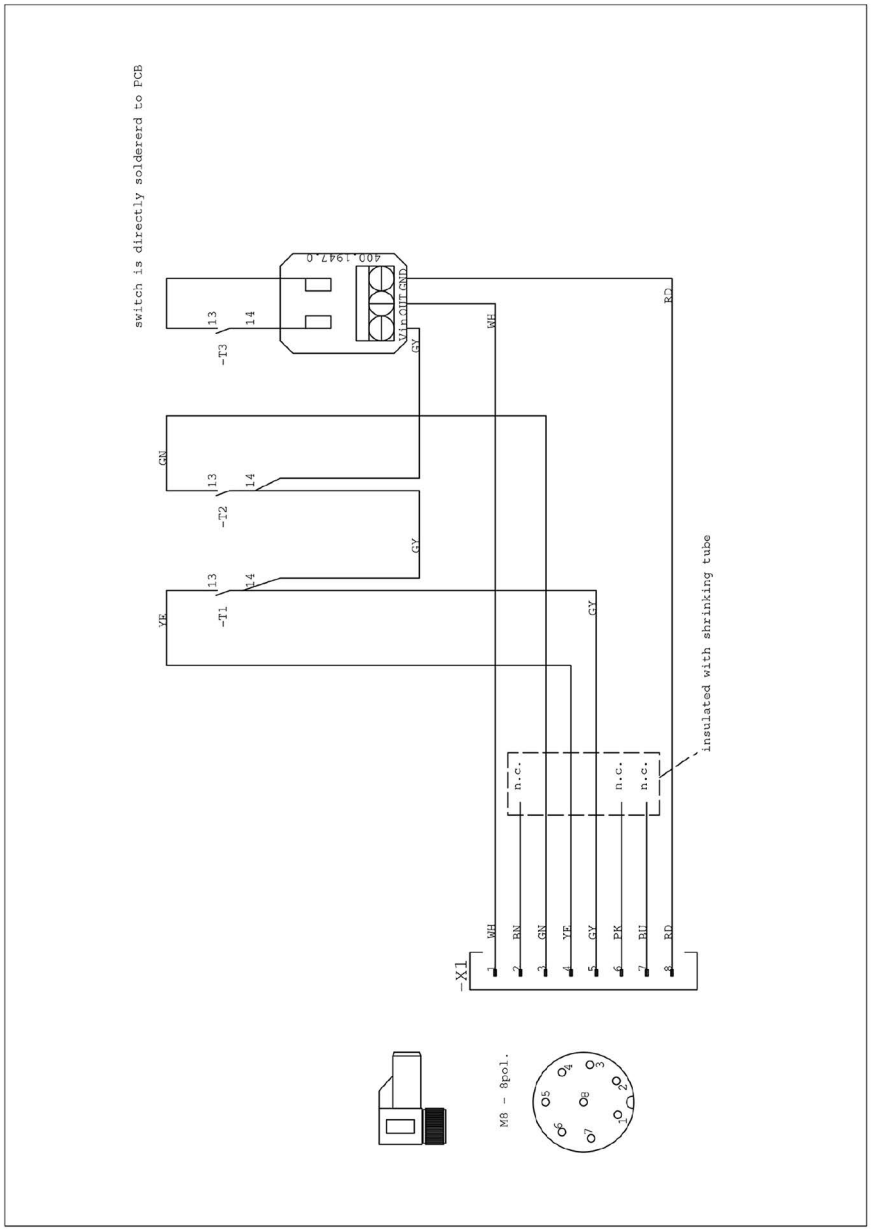


1. Fix the RTM ABIx Freedrive/RTM ABIx EasyTeach flange with cylinder head screws **(I)** on the robot **(A)** (tightening torque max. 4 Nm).
2. Connect the connection cable **(C)** to the robot connection **(B)**.
3. Insert the welding torch **(G)** in the torch mount **(H)** and fix manually.
4. Tighten the clamp **(F)** with cylinder head screws **(E)** (tightening torque max. 4 Nm).

4 Circuit diagram RTM ABIx Freedrive



5 Circuit diagram RTM ABIx EasyTeach



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