

## First Aid Checklist

Diagnosis by phone call or customer visit, before consulting Jenny Science V0.4

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|--|--|
| <b>1</b> XENAX® 7-segment Display <b>turned off</b>                    | Check the power supply   |
| <b>2</b> XENAX® 7-segment Display <b>blinking</b>                      | Compare the two-digit number with the Error number in the manual (Page 101 - 111)<br><a href="#">download manual</a>   |
| <b>3</b> Connectors and cable check:                                   | Original Jenny Science cable ? Encoder- and motor connector properly inserted? Check the shielding of the encoder cable, it must be fully connected inside the case  |
| <b>4</b> <b>Customer made cables</b> or customer made cable extensions | In this case, incorrect wiring or shielding is a common problem.   |
| <b>5</b> Move the <b>motor slider by hand</b>                          | The slider must run smoothly you should only feel the magnetic forces of the iron core motor.<br>Does the guidance system <b>brake generally or in certain positions</b> ?<br>Does the guidance system <b>make noise</b> (ball recirculation)? |
| <b>6</b> <i>If a connection via WebMotion® is possible</i>             | <i>Is the motor correctly identified by the XENAX® Xvi?</i><br><b>OK</b> <b>Lxc176F40-5 100nm</b><br><br><i>Move the Slider by hand and look if the <b>position counter is running</b> ? If no please check the encoder cable.</i>             |

### Identification of Servocontroller and configuration

XENAX® Type

Xvi75V8S   Xvi 75V8   Xvi 48V8   Third party

Serial No.

Firmware version:

WebMotion® version:

Fieldbussystem:

EtherCAT   Profinet   Powerlink   Ethernet/IP   CANopen

Functional safety:

TÜV SMU

### Identification of Motor

Serial No. motor:

Cable specification:

**Connecting cable**   PUR (grey)   TPE (dark blue)

**Cable length:**

**Extension cable**   PUR (grey)   TPE (dark blue)

**Cable length:**

Position measurement system

magnetic   optical 1µm   optical 100nm

Payload

[g]

Orientation

vertical   horizontal

### Further Steps (optional)

Description of the problem,

Send customer application program