

6. Conditions for usage

- for CE-compliant operation in industrial and business sectors -

The EU guidelines on electromagnetic compatibility 89/336/EEC and electrical means of production for use within particular voltage limits 73/23/EEC are satisfied, if the following peripheral conditions are complied with.

Only operate the units in the condition in which they are supplied, i.e. with all housing plates and the front cover.

COMPAX P1XXM, COMPAX 02XXM, COMPAX 05XXM and COMPAX 15XXM may only be operated with HAUSER mains modules (NMD10 or NMD20) or on COMPAX 35XXM.

Power filter:

A power filter is required in the power line. The filtering can be executed once for the entire system or as separate process for each unit.

The following power filters are required for standalone operation:

NMD10 / COMPAX 45XXS / COMPAX 85XXS:	Order No.: NFI01/02
NMD20:	Order No.: NFI01/03
COMPAX 35XXM:	Order No.: NFI01/04 or /05
COMPAX 25XXS:	Order No.: NFI01/01 or /06
COMPAX 10XXSL:	Order No.: NFI01/01 or /02

Length of connection: connection between power filter and unit: unscreened: < 0.5m
screened: < 5m

Motor and resolver cable:

Only operate the unit with a HAUSER motor and resolver cable (with connectors containing special surface screening).

In such cases, the following cable lengths are permitted.

Motor cable	< 100m (the cable must not be rolled up) For motor lines of >20m, a motor output throttle must be used Up to 16A nominal motor current: Type: MDR01/01 16A / 2mH. Between 16A and 30A: Type: MDR01/02 30A / 1.1mH. Over 30A nominal motor current: Type: MDR01/03 >30A / 0.64mH.
Resolver cable	< 100m

Motors:

Operation with HAUSER motors.

Control:

Only operate with calibrated controller (avoid feedback oscillation).

Earthing:

- ◆ The filter housing, the mains module and the COMPAX must be surface connected with good metal conductivity and low inductivity to the cabinet ground.
- ◆ Never secure the filter housing or the unit to coated surfaces.

Cable laying:

- ◆ Ensure that you have largest spacing possible between the signal and load lines.
- ◆ Signal lines must never pass sources of strong interference (motors, transformers, relays,...).

Accessories

- ◆ Only use accessories recommended by HAUSER (absolute value sensor, encoder,...).



Provide large surface contact areas down both sides of all cable screening.

Warning:

This is a product of the restricted sales class as per IEC 61800-3. In a domestic environment, this product may cause high frequency disturbances, in which case the user can be requested to implement suitable measures.