

11.5 Diagnostic Display

Overview

Anzeige DISPLAY	Bedeutung ACCEPTATION	Erläuterung EXPLANATION
bb	- Bereit zur Leistungszuschaltung - - READY FOR POWER ON -	Supply and drives are fault-free. Power can be switched on.
Lb	- Leistung bereit - - POWER OK -	Mains contactor is ON. DC bus voltage within permissible range.
14	- Zusatzkomponenten Vorwarnung - - EXTERNAL COMPONENT WARNING -	WARNING an additional component is being applied. Power off in 30 s.
15	- Steuerspg.-Vers.-Temp.-Vorwarnung - ¹⁾ - CONTROL VOLTAGE TEMP. WARNING -	Control voltage supply is overloaded. The temperature pre-warning contact has opened.
16	- Softstartfehler - - SOFTSTART-FAULT -	DC bus cannot be loaded.
17	- Leistung Aus / Zwischenkreis Kurzschluss - - POWER OFF WITH BUS SHORTING -	Power is off and DC bus dynamic brake activated.
18	- Kühlkörpertemperatur zu hoch - - HEATSINK OVERTEMP. FAULT -	Power off due to excessive heatsink or power section temperature.
20	- Bleeder Überlast - - BLEEDER OVERLOAD -	Rotary drive energy (HVR/HVE) or regenerated power (HVE) too high.
23	- Antriebsfehler - - DRIVE FAULT -	Power off due to drive error.
24	- Zusatzkomponenten-Fehler - - EXTERNAL COMPONENT ERROR -	Power off due to fault in additional component (bleeder, loading device).
25	- Rückspeise-Überlast - - REGEN. POWER OVERLOAD -	Continuous regenerated power of the drives excessive.
26	- Einspeise-Überlast - - BUS POWER OVERLOAD -	The continuous feed in power of the drive excessive.
50	- Kühlkörper-Übertemperatur-Warnung - - HEATSINK TEMP. WARNING -	Temperature pre-warning contact is open. Power off after a further rise in temperature of 5 °C.
52	- Bleeder Überlast-Warnung - BLEEDER OVERLOAD WARNING -	80 % of the allowable bleeder ON time has been achieved due to excessive regenerated power.
60	- Überstrom - ¹⁾ - OVERCURRENT -	Short-circuit in supply or drive in motor or in a cable.
69	- +24 V / ±15 V / +5 V Fehler - - +24 V / ±15 V / +5 V FAULT -	Control voltages faulty.
80	- Erdschluss - - SHORT TO GROUND -	Ground fault in supply or drive unit, in motor or in cable.
81	- Netzausfall - ¹⁾ - POWER FAILURE -	One or several mains phases missing.
82	- Phasenfehler - ²⁾ - PHASELOSS FAULT -	One or several mains phases missing or the mains voltage is too low.
83	- Netzspannungsfehler - - LINE VOLTAGE FAULT -	Mains voltage exceeds permissible tolerance.
84	- Anschlussfehler - ¹⁾ - MISWIRING -	No phase coincidence in power and control voltage connections. Line contactor doesn't pick up.
85	- Netzfrequenzfehler - ¹⁾ - LINE FREQUENCY FAULT -	Mains frequency exceeds permissible tolerance.
87	- Steuerspannungsversorgungs-Fehler - ²⁾ - CONTROL VOLTAGE SUPPLY FAILURE -	The HVE control voltage supply exceeds permissible tolerance.
94	- EPROM-Fehler - ¹⁾ - CHECKSUM ERROR -	Hardware or software error in unit.
. .	- Gerätefehler - - DEVICE FAILURE -	Hardware or software error in unit.
- -	- +5 V Fehler ²⁾ - +5 V FAILURE -	+5 V control voltage failure.
E1...E9	- Gerätefehler - ²⁾ - DEVICE FAILURE -	Hardware or software error in unit.

1): with HVR only

2): with HVE only

Fig. 11-2: Diagnostic display overview