



FIBRE LASER

IGBT POWER SWITCH and CONTROL

**3 PHASE AC MAINS
FUSES / POWER SWITCH NOT SHOWN**

**LASER
POWER
SUPPLY**

**auxiliary
24V DC
SUPPLY
(> 2A)**

FLHPS16E

FLSCU16

Control signals

+24V REARM F-STOP Fault reset

FAULT INTERLOCK

**LASER
CONTROLLER
SPS etc.**

INTERLOCK #1
INTERLOCK #2
(DOORS)
(shown as doors open)

EMERGENCY OFF
F-STOP
(shown as not activated)

General enable
24V=on / 0V=off
Keyswitch or SPS (PLC)

IMPORTANT NOTE:
GND main power supply must be
interconnected with GND (-24V) aux.iliary power supply!

Mandatory:
2 safety relays
with forcibly guided
contacts
EATON TYP:
DILA-31(24VDC)
Nr.: 276379
(alternate relay:
SIEMENS
3RH2131-1BB40
and 3RT2916-1DG00)

Final/FLSCU16_ECG1.sch

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