

Installation instructions
Infrared-Emitter module M110

Contents

1. Components	4
2. Required tools	4
3. Preparation of individual components	4
4. Installation of module	5
4.1 Overview	5
4.2 Installation of reflector	6
4.3 Installation of profile	7
4.4 Installation of fan with terminal box	8
4.5 Circuit diagram (Emitter with connection point on one side)	9
4.6 4.5 Circuit diagram (Emitter with connection point on both sides)	10
5 Installation of emitter	11

1. Components

The IR emitter module basically consists of:

- Outer housing made of aluminium
- Reflector made of aluminized steel sheet (FAL)
- Frontal covers made of aluminium
- Axial fan assemblies and terminal boxes
- IR emitter(s) with clamp and spring mountings

For item numbers and quantities see module configurator.

2. Required tools

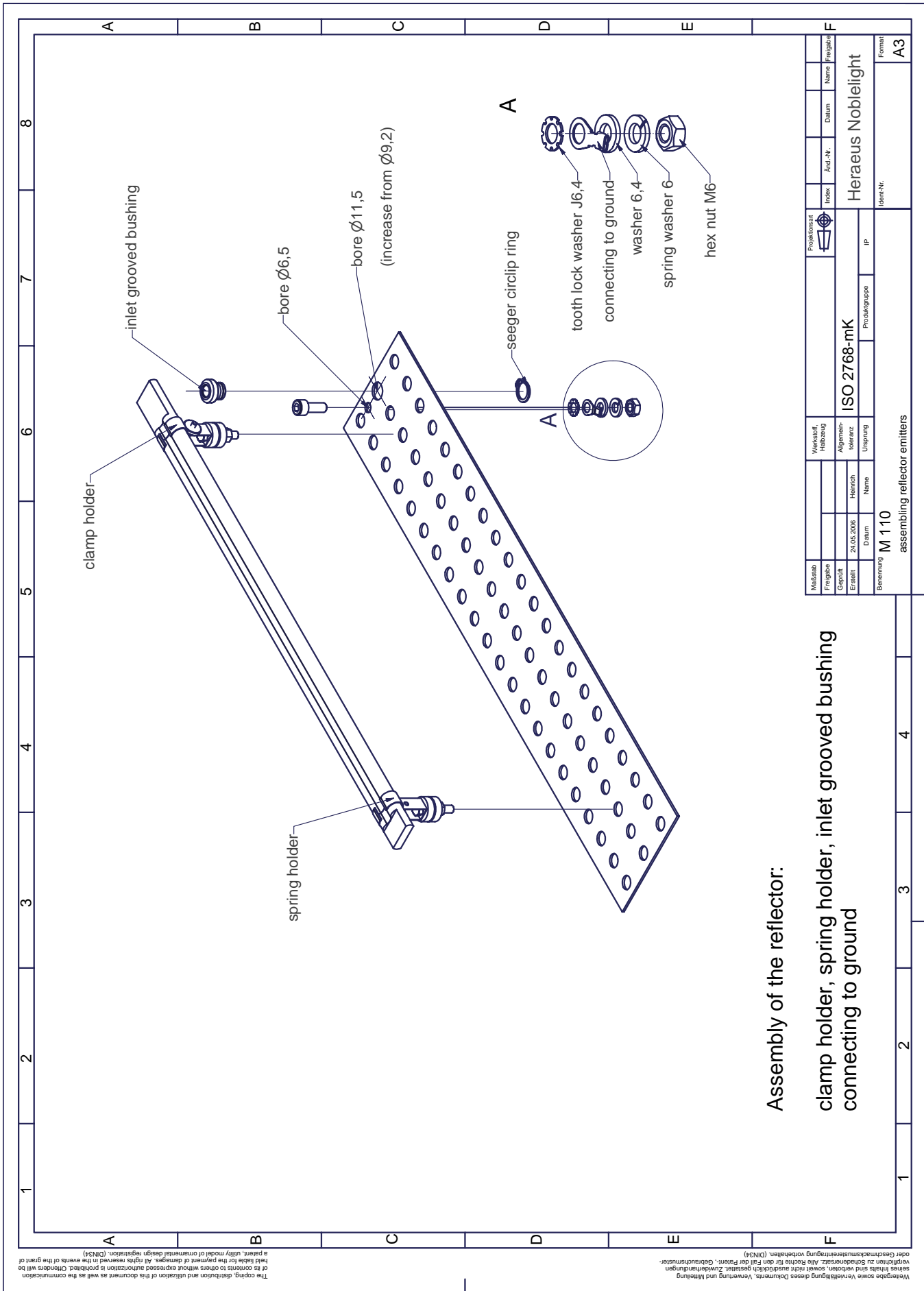
- Spiral drill, material dimensions, HSS at least: D = 3.2 mm; D = 6.5 mm; D = 11.5 mm;
- Saw, material dimensions, HSS-E at least: Ribbon or disk saw
- Phillips screw driver: Sizes 1 and 2

3. Preparation of individual components

Saw, bottom panel profiles, lateral panel profiles and reflector

For lengths see module configurator

4.2 Installation of reflector



Assembly of the reflector:

clamp holder, spring holder, inlet grooved bushing
connecting to ground

Material	Werkstoff	Projektskizze	Index	And.-Nr.	Datum	Name	Freigelegt
Freigelegt	Herabzug						
Geprüft	Abgemessen						
Erstellt	toleranz						
	Name						
	Datum						
Benennung	Ursprung						
M 110	IP						
assembling reflector emitters		ISO 2768-mk		Heraeus Noblelight		Format	
						A3	

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4.3 Installation of profile

thread forming screw 3,9

bore Ø3,2

tooth lock washer J3,2

thread forming screw 2,9

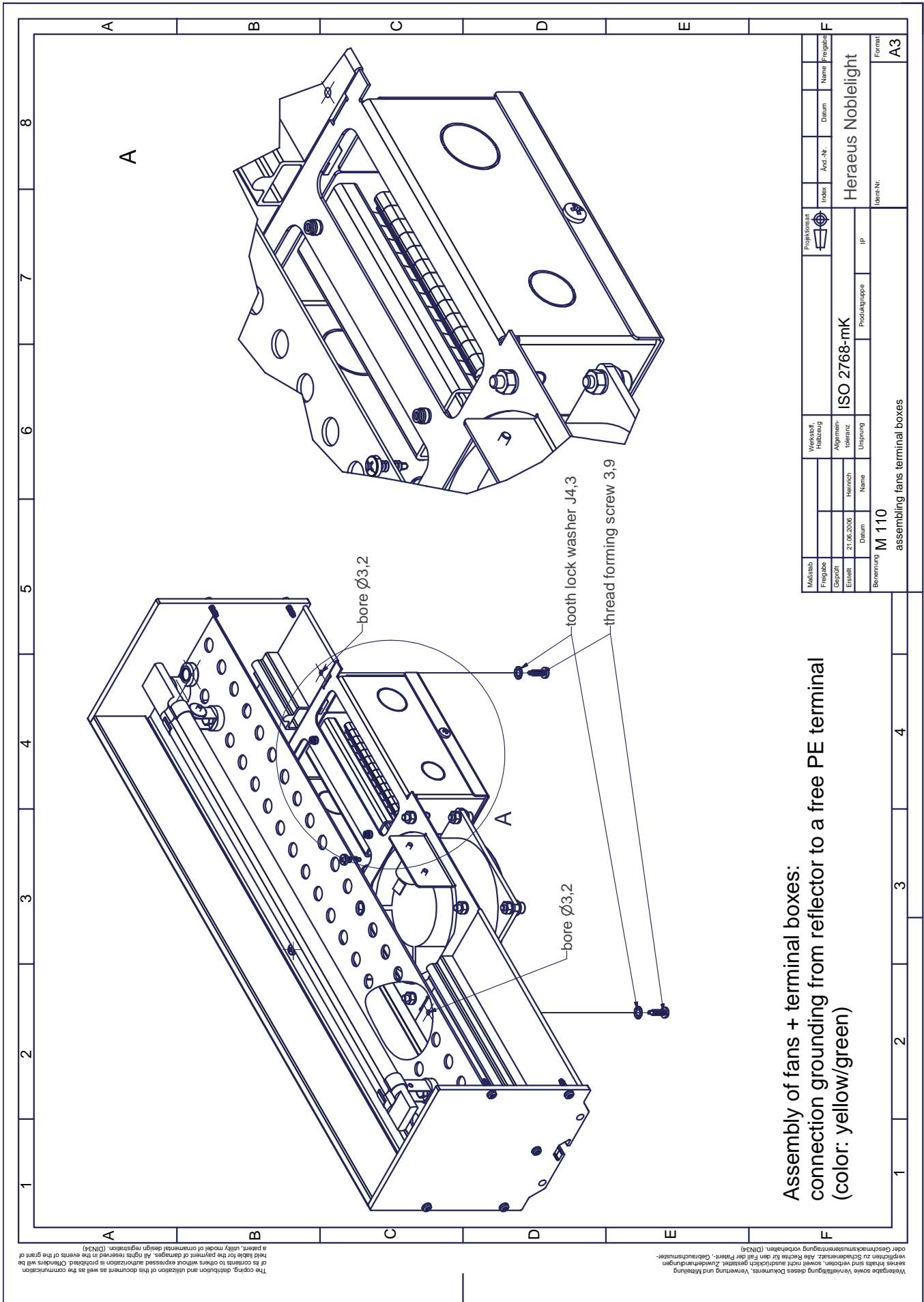
Assembly of the profiles:
 ground profiles into the side profiles,
 fans + terminal boxes between the ground profiles
 reflector into the side profiles
 covers on the side profiles

Material	Werkstoff, Holzbeleg	Profilnummer	ISO	And.Nr.	Datum	Name	Fragebild	
Fragebild								
Gezeichnet		Abgemahnt	ISO 2768-mk					
Erstellt	21.08.2008	Herrlich	Datum	Name	Ursprung	Produktgruppe	IP	
Benennung	M 110		assembling profiles covers		Heraeus Noblelight			Ident.Nr.
							Format	A3

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4.4 Installation of fan with terminal box



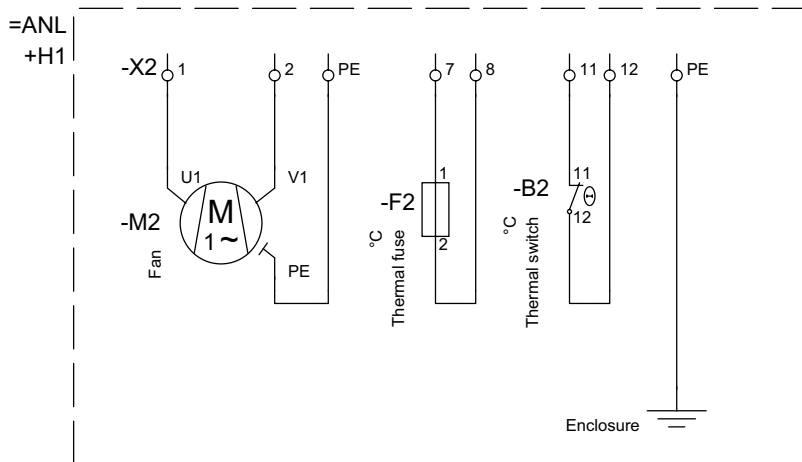
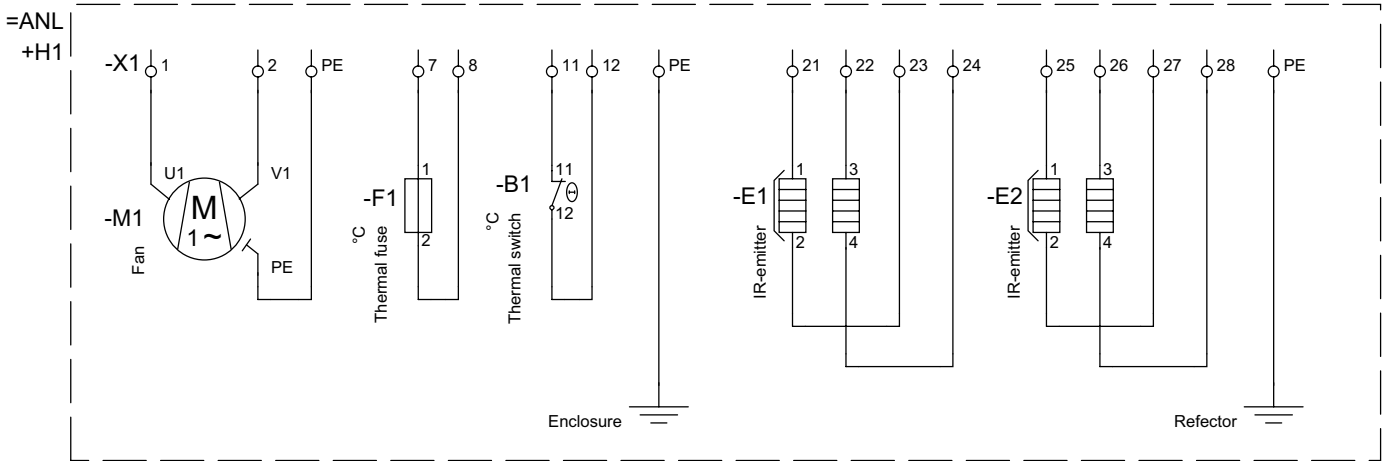
Assembly of fans + terminal boxes:
 connection grounding from reflector to a free PE terminal
 (color: yellow/green)

Meßstab	Verstärk.	Projizionsart	Index	Änd.-Nr.	Datum	Name	Freigelegt
Freigebe	Halbzug	1					
Capazit	Algemein-	ISO 2768-mK		Produktgruppe		Heraeus Noblelight	
Erstell	Herrsch	Ursprung	IP		Ident-Nr.		
21.08.2006							
Datum	Name	M 110		assembling fans terminal boxes		Format	
						A3	

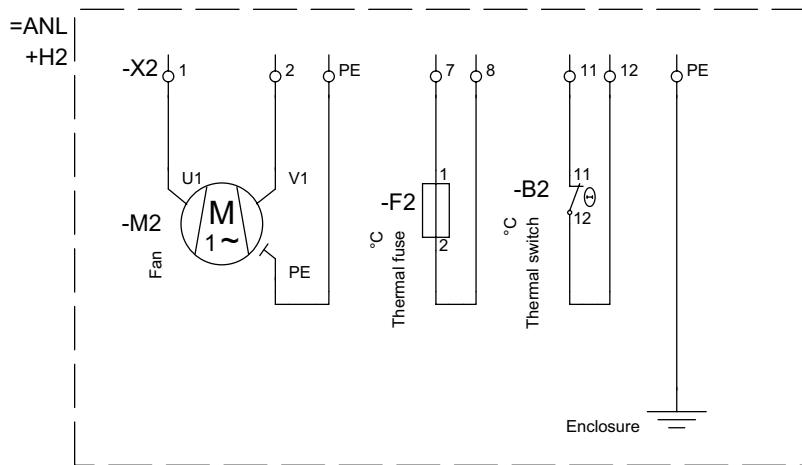
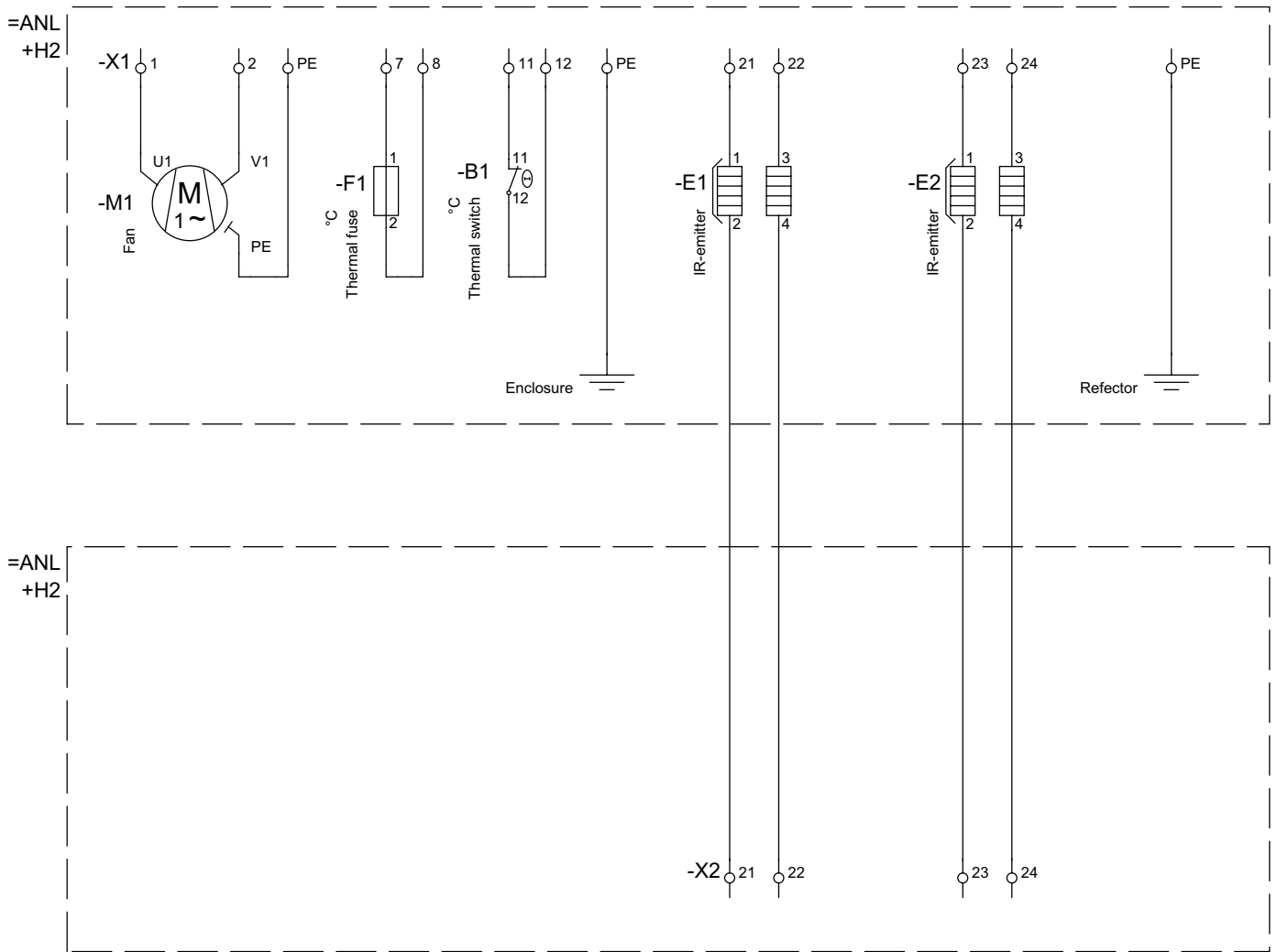
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4.5 Circuit diagram (Emitter with connection point on one side)



4.6 4.5 Circuit diagram (Emitter with connection point on both sides)



5 Installation of emitter

(On customer's demand)

- Lead cable ends through fluted bushes to terminal boxes.
- Snap the IR emitter into position in the clamp and spring mounting by rotating the IR emitter around its longitudinal axis (gold reflector must face the module reflector).
- Fasten the knurled nut of retaining spring
- Shorten the connection cable ends to the required length
- Press cable sleeves onto bare cable ends
- Connect cable ends to series terminals according to circuit diagram

Note



The terminal clamps must be tightened down according to DIN VDE 0609 „torque requirements (e.g. Federal Republic of Germany: [Terminal Clamping Points for Connection...](#)) or equivalent requirements.



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