



## Compact Light Barrier

# Series Eltrostar E 22

- Diffuse reflective and through beam lightbarrier
- Switchable PNP/NPN output
- Plastic housing
- DC or AC voltage appliance

### Principal features:

- Diffuse reflective and trough-beam lightbarriers in identical size
- Polarised reflective light barriers to detect mirror-like surfaces
- Compact size
- Direct current appliance  
**10-30 VDC**  
PNP/NPN light/dark switching
- Universal voltage appliance  
**12-240 V AC/DC**  
with relay output
- Operation display at emitter (LED red)
- Switching output display (LED yellow)
- Stability display (LED green)
- Connecting plug M12 revolving
- Degree of protection IP 65
- CE

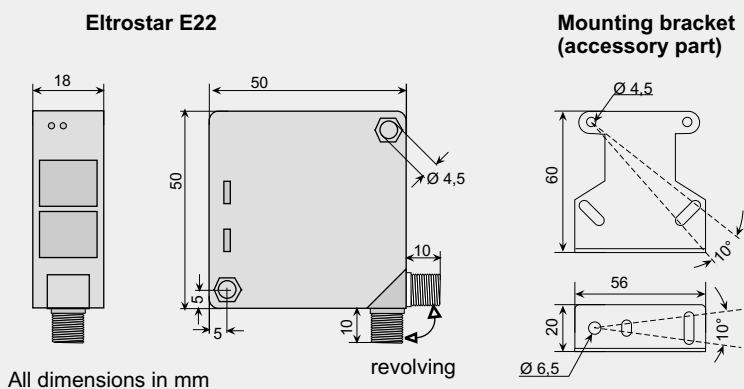
### Applications:

- Position check in feed systems
- Assembling and handling technology
- Packaging technology
- Material handling technology
- Elevating construction
- Robotic technology

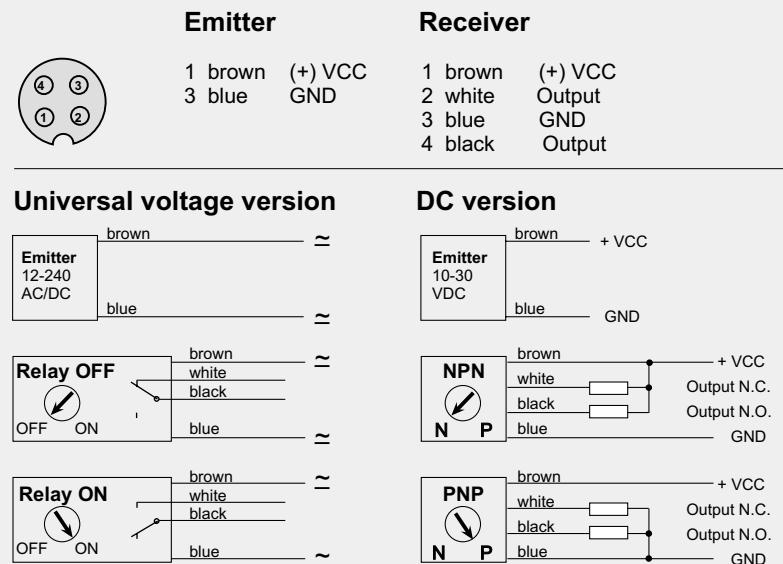
### Advantages:

- One size for all versions
- External light insensitive
- Fast and flexible mountable
- LEDs visible from frontside and topside

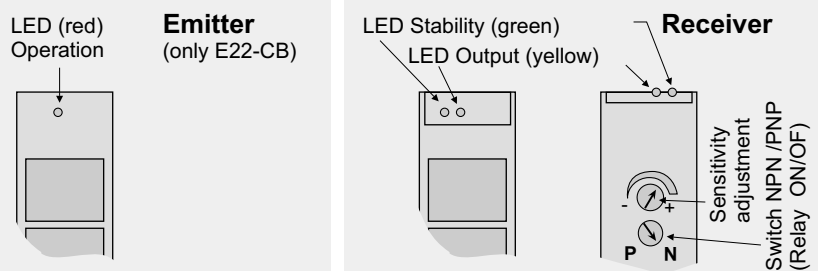
## Dimensions







## Wiring connections



## Operating and display elements



## Technical Data

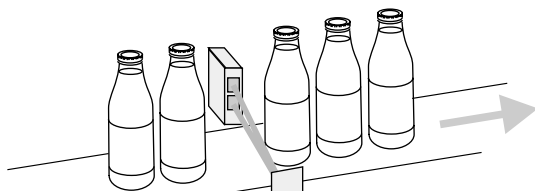
Specific data		Direct reflection	Reflective lightbarrier	Reflective lightbarrier polarised	Through beam lightbarrier
					
	Type E 22-	CP	CR	CAR	CB
	Sensing range* (app.)	800 mm	5 m	3 m	20 m
Electrical data	Switch. frequency (DC version)	700 Hz	700 Hz	700 Hz	250 Hz
	Switch. frequency (AC/DC version)	10 Hz	10 Hz	10 Hz	10 Hz
	Light source	LED infrared	LED infrared	LED red	LED infrared
	Operating voltage	10-30 VDC (AC/DC version: 12-240 V)			
	Max. residual ripple	≤ 10 %			
	Current consumption	~ 50 mA (AC/DC version: 1,8 VA)			
	Output	PNP / NPN short-circuit protected, light or dark switching (AC/DC version: relay output)			
	Output current	≤ 200 mA (AC/DC version: 1A / 220 VAC)			
	Voltage drop	≤ 3 V (at 200 mA)			
	Data on ambiente conditions	Operating/storage. temp	-20 to +50 °C/-20 to + 65°C		
Perm. external light		≤ 10.000 Lux (daylight)			
Protection degree		IP 65			
Mechanical data	Material	ABS			
	Weight	app. 30 g			

\* depending on white paper 20x20 cm or tripple reflector E600

## Ordering information

Produkt	Type	Direct reflection		Reflective light barrier		Reflective light barrier polarised		Through beam light barrier	
		CP	CR	CAR	CB				
Eltrostar E22 Lightbarriers	Supply voltage	DC	AC/DC	DC	AC/DC	AC	AC/DC	AC	AC/DC
	Part No.	11031385		11031386		11031387		11031388	
Accessories	Cable ~2 m with M12 plug angular with 2 LEDs	PNP version with LED				NPN version with LED			
		Part No. 11241120				Part No. 11251411			
	Cable ~2 m for AC/DC sensor	Part No. 11231168							
	Reflector E600	Part No. 11261138							
	Mounting bracket E22-ST2	Part No. 11031393							

### Application Presence check



Presented by: