

Double light beam Focus



The Focus double light beam unit is specially adapted for environments containing airborne particles.

The new Focus double beam unit differs from other light beams from Jokab Safety AB in that it has double beams at each position. This prevents unnecessary production stoppages due to such particles as wood chips and dirt triggering the protection.

In order that a Focus shall react, both beams in the same position must be breached. This means that the protection is not triggered by small particles flying by. This is a great advantage in, for example, the wood industry where airborne sawdust or chips can lead to production stoppages when single beams are used.

In other respects the double beam Focus has the same functions as its single beam sister. (Refer to our Safety handbook or see the www.jokabsafety.com web site). The units are easy to install and are cost-efficient since most functions are integrated. As standard there are inputs for muting (partial or complete bypassing) and monitoring of the muting lamp. Every Focus unit can be

preset for either manual or automatic resetting and time resetting.

To protect Focus units from direct collisions, and thus prevent unnecessary material damage and halts in production, Bjorn is available. This is a flexible stand system that can be used to protect Focus units in heavy industrial applications.



Bjorn - a flexible stand system that protects Focus light beam units in heavy industrial applications.

Approval:



Use:

Optical protection of openings or around a risk area in environments with airborne particles.

Advantages:

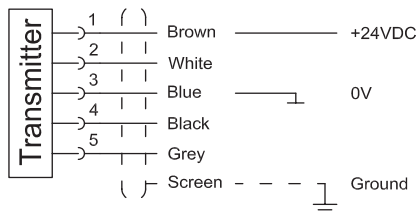
- Type 4 in accordance with EN 61496-1
- Copes in severe conditions with airborne particles
- Flexible installation
- LED indications
- High enclosure classification (IP65)
- Range 0.5-25 m
- Time resetting
- Manual or automatic resetting
- Muting
- Light beam, light curtain, emergency stop and Eden in the same safety loop with Vital or Pluto provides safety category 4 in accordance with EN 954-1/EN ISO 13849-1

Technical data - Double beam Focus	
Manufacturer	JOKAB SAFETY AB, Sweden
Article number/ordering data:	22-111-20/ F4-KL2-500 D Focus
Colour:	Yellow
Operating voltage:	24V DC \pm 10%, \pm 10% ripple
Power consumption:	10 W max. (transmitter and receiver connected)
Transmitter diode wavelength:	950 nm
Profile dimensions:	35 x 45 mm
Protection class:	IP65
Ambient temperature:	-10 to +55°C
Storage temperature:	-25 to +70°C
Outputs:	2 monitored PNP outputs with short circuit monitoring
Max. current:	500 mA (overload protected)
Reaction time:	14 ms
Transmitter connection:	M12 5-pole
Receiver connection:	M12 8-pole
Indication:	LEDs for the transmitter and receiver indicate, among other things, installation adjustment, dirt, feed voltage, outputs and faults.
Encapsulation:	Aluminium, painted yellow
Certified in accordance with standard:	Type 4 in accordance with EN 61496-1/2

Technical data - Bjorn	
Manufacturer	JOKAB SAFETY AB, Sweden
Article number/ordering data:	22-041-40/ Bjorn H2 stand for horizontal mirrors 22-041-45/ Bjorn N2 floor stand for Focus
Colour:	Yellow powder-coated (RAL 1018)
Material:	3 mm steel
Dimensions:	
Cross-section:	H2: 146 mm x 130 mm, N2: 146 mm x 132 mm
Stand height:	1000 mm
Foot:	230 mm x 190 mm
Weight:	
H2, N2	15 kg each
Reduction/mirror:	20 %

Focus - Input connection with or without muting function

Focus light curtain/grid default connection.



Focus light curtain/grid with muting.

