



Articlenumber: A0EP1P21V001  
GTIN: 4050369081253  
Weight incl. packaging 0,00 kg  
Weight excl. packaging: 6,90 kg

## Highlights

This active laser safety window kit with article number A0EP1P21001 offers an effective field of vision of 590 X 895 mm and consists as a sandwich structure of the laser safety window, the LaserSpy as a sensor and the required mounting material for the sensor. This active window is suitable for active protection against the High power Blue laser. Blue high-power lasers are gaining popularity due to their suitability for laser processing of gold, copper and bronze materials, e.g. in additive manufacturing, battery production and the manufacturing of power electronics.

<b>COATING:</b>	no coating
<b>COLOUR:</b>	gold
<b>FILTER MATERIAL:</b>	Plastic
<b>FILTER TECHNOLOGY:</b>	Absorption filter, Active protection
<b>FILTER THICKNESS:</b>	ca. 10mm
<b>PROPERTIES:</b>	Active laser protection, Protection from blue high-power lasers
<b>PROTECTION CLASS / NORM:</b>	EN 60825-4
<b>VLT (APPROX.):</b>	50%
<b>VISUAL BRIGHTNESS:</b>	Good
<b>COLOUR RECOGNITION:</b>	Good

## **DIN EN 60825-4**

Test class T1

425-465 nm

d86min

1,9 mm

A86min

$2,83 \times 10^{-6} \text{ m}^2$

Protective Exposure limit (PEL)

$707 \times 10^6 \text{ W/m}^2$

Triggering time

max 40 ms

Test class T2

200-470 nm

Protection duration

105 s

Protective Exposure limit (PEL)

$40,7 \text{ kW/m}^2$

Optical Density (OD)

200-470 OD 10+