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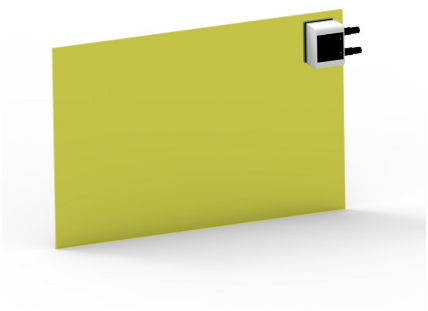

Highlights

This active laser safety window kit with article number A0EP1P21003 offers an effective field of vision of 292 X 445 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 suitble 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.

Articlenumber: A0EP1P21V003
GTIN: 4050369081277
Weight incl. packaging 0,00 kg
Weight excl. packaging: 2,70 kg

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

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DIN EN 60825-4

Test class T1
425-465 nm
d86min
1,9 mm
A86min
2,83 x 10^{-6} m²
Protective Exposure limit (PEL)
707 x 10^{6} W/m²
Triggering time
max 40 ms
Test class T2
200-470 nm
Protection duration
105 s
Protective Exposure limit (PEL)
40,7 kW/m²
Optical Density (OD)
200-470 OD 10+

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