# Laser protection window, filter - 0285, dimensions 210 x 297 mm, thickness 3.0 mm

## Product information:

**Item no.:** 100-K0285-210x297

**Application:** Excimer (193 nm) UV (248 nm) Nd:YAG 4x (266 nm) Nd:YAG 3x (355 nm) Diode (450 nm) Diode (480 nm) Argon (515 nm) Nd:YAG 2x (532 nm) KTP (532 nm) , VLT (Visible light transmission): 40 %

**Filter color:** orange

**Filter material:** special plastic

Laser protection window made of special orange plastic suitable Excimer (193 nm), UV (248 nm), Nd:YAG 3x (355 nm), Nd:YAG 2x (532 nm), Diode (450 nm), Diode (480 nm), Argon (515 nm) and KTP (532 nm) lasers

## Qualified protection levels according to EN 12254

**Protection levels**

D AB7 + IR AB2 (OD10+)
DM AB6 + IR AB7 (OD7+)
DIRM AB4 (OD4+)
DIRM AB2 (OD2+)
DIRM AB1 (OD1+)
PF CE

**Wavelengths**

- 180-315
- >315-532
- >532-540
- >540-548
- >548-553

# Datenblatt

PROTECT LASERSCHUTZ GMBH
Ihre Sicherheit. Unser Auftrag!
Your Safety. Our Concern!

## Properties:

**Laser protection windows** enable your employees to safely observe the processes in a laser system. Regardless of whether you want to integrate the laser protection windows in machine enclosures or in movable walls, we offer you the right, tested protection for your laser system, for your laser equipment and for your laser application. Depending on the desired protection level or window size, you can choose between windows made of glass or plastic. In addition to a variety of standard sizes, custom cuts are also possible thanks to our in-house production.

The **0285 laser protection filter** is particularly suitable as laser protection for powerful **Excimer (193 nm)**, **UV (248 nm)**, **Nd:YAG 3x (355 nm)**, **Nd:YAG 2x (532 nm)**, **Diode (450 nm)**, **Diode (480 nm), Argon (515 nm)** and **KTP (532 nm) lasers**. However, other lasers are also covered by the filter. The laser safety filter is made of a special orange plastic and has a daylight transmission of approx. 40% at low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

- dimensions 210 x 297 mm, general tolerances according to DIN ISO 2768-1, Table 1 - m
- PROTECT STANDARD for visual defects of laser protective windows
- also available in the standard size 100 x 200 mm and maximal size 1000 x 1800 mm
- other customized sizes available on request
- suitable window frames available on request

For a perfect and safe cleaning of this filter we recommend this cleaning spray.