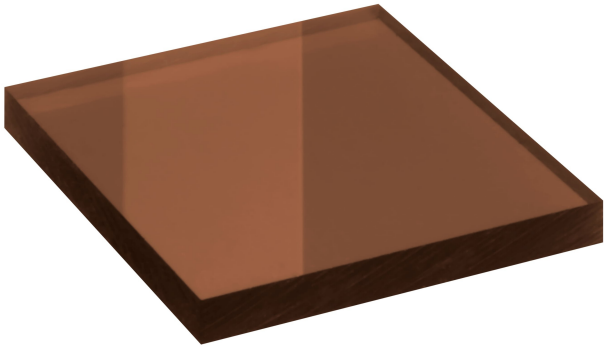
Laser protection window, filter - 0293, dimensions 810 x 950 mm, thickness 4.0 mm

Product information:

Item no.:	100-K0293-810x950
Application:	Nd:YAG + harmonische (266 + 355 + 532 + 1064 nm) Ti:Sapphire (800 nm) Diode-Nd:YAG (800-1064 nm) Yb:YAG/Scheibe (1030 nm) Fiber (976 – 1080 nm) , VLT (Visible light transmission): 25 %
Filter color:	amber
Filter material:	special plastic



Laser protection window made of special amber plastic suitable for harmonic Nd:YAG (266 + 355 + 532 + 1064 nm), Ti:sapphire (800 nm), Diode-Nd:YAG (800 - 1064 nm), Yb:YAG/Disc (1030 nm) and Fiber (976 - 1080 nm) lasers

Datenblatt

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Qualified protection levels according to EN 12254

Protection levels	Wavelengths
D AB8 + IR AB3 (OD10+)	• 180-315
D AB5 + IR AB7 + M AB8 (OD9+)	• >315-532
DIRM AB4 (OD4+)	• >532-541
DIRM AB3 (OD3+)	• >541-544
DIRM AB2 (OD2+)	• >544-549
DIRM AB1 (OD1+)	• >549-555
DIRM AB1 (OD1+)	• >690-722
DIRM AB2 (OD2+)	• >722-745
DIRM AB3 (OD3+)	• >745-765
DIRM AB4 (OD4+)	• >765-780
DIRM AB5 (OD5+)	• >780-800
DIRM AB6 (OD6+)	• >800-815
D AB6 + IRM AB7 (OD7+)	• >815-830
D AB6 + IR AB7 + M AB8 (OD8+)	• >830-847
D AB6 + IR AB7 + M AB9 (OD9+)	• >847-1072
D AB6 + IR AB7 + M AB8 (OD8+)	• >1072-1077
D AB6 + IRM AB7 (OD7+)	• >1077-1083
DIRM AB5 (OD5+)	• >1083-1094
DIRM AB4 (OD4+)	• >1094-1102
DIRM AB3 (OD3+)	• >1102-1112
DIRM AB2 (OD2+)	• >1112-1125
DIRM AB1 (OD1+)	• >1125-1150
PF CE	

Datenblatt

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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 **0293 laser protection filter** is particularly suitable as laser protection for powerful **Nd:YAG + harmonische (266 + 355 + 532 + 1064 nm)**, **Ti:Sapphire (800 nm)**, **Diode-Nd:YAG (800-1064 nm)**, **Yb:YAG/Scheibe (1030 nm)** and **Fiber (976 – 1080 nm) lasers**. However, other wavelenghts are also covered by the filter. The laser safety filter is made of a special amber colored plastic and has a daylight transmission of approx. 25% at low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

- dimensions 810 x 950 mm, general tolerances according to DIN ISO 2768-1, Table 1 - c
- PROTECT STANDARD for visual defects of laser protective windows
- also available in the standard size 100 x 200 mm, 210 x 297 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.