

EC-type examination certificate

C1998.1 3M

Applicant / manufacturer	3M Personal Safety Division 3M Centre Cain Road BRACKNELL, RG12 8HT UNITED KINGDOM
Identification of the manufacturer	3M
Product type	Eye-protectors, safety spectacles / goggles / spoggles for occupational use
Model name	Solus 1000 see schedule for the different variants
Standard(s) / technical rules	DIN EN 166 : 2001 & DIN EN 170 : 2002 & DIN EN 172 : 1994 + A1 : 2000 + A2 : 2001 Essential requirements according to Annex II of the PPE-Directive 89/686/EEC
Test reports	1160-ECS-15
Material	Lenses: polycarbonate Frame / gaskets: plastics Fabric headband
Specification	UV- and/or sunglare filtering action Recognition of signal lights (C) Protection against high-speed particles at extremes of temperatures, low / medium energy impact (FT / BT)
Marking	X/Y 3M 1 FT / BT K N - EN166 FT / BT CE see schedule for the different variants

Herewith, ECS certifies that the named models comply with the basic requirements for health and safety as they are provided by the European Directive for Personal Protective Equipment 89/686/EEC. This certificate is based both / either on the test results as they are summarized in the named test reports, and/or on the technical documentation as it is delivered by the manufacturer. The applicant / manufacturer agrees to the General Business Rules of the ECS GmbH and to additional agreements as they are named in the application for conformity assessment.

The eye-protection device is to be marked as assigned. Either / both the frame and / or the ocular, spectacle, goggle or shield must be signed, as appropriate. If different marking has been assessed, the lowest marking must be applied, respectively. The validity of this EC-type examination will expire, if the manufacturer modifies the safety-relevant properties of this product with comparison to the tested one or if the requirements in the standards or technical rules will be revised and/or tightened. Name, address and identification number 1883 of the notified body ECS must be indicated in the information brochure of this product.

This EC-type examination certificate is valid until 2020-09.

ECS GmbH
Notified Body 1883
10/10/15


Dr. Bernhard Schmitz
ECS-Certification



ECS GmbH – European Certification Service
Augenschutz und Persönliche Schutzausrüstung
Laserschutz und Optische Messtechnik
Hüttfeldstraße 50
73430 Aalen, Germany

Company: 3M Occupational Health and Environmental Safety Group, BRACKNELL, UK
 Annex to the EC-type examination certificate registration number C1998.1 3M,
 dated from 10/10/15.

The following products are included in this EC-type examination certificate:

Model name	Lens colour	Measurement report	Scale and marking for the unit of ocular and frame
Solus S1101SGAF (Blue / Black) Solus S1201SGAF (Green / Black)	CLEAR PC	11601-ECS-15 11604-ECS-15	UV-filtering action: 2C-1.2 3M 1 FT / BT K N – EN166 FT / BT CE
Solus S1103SGAF (Blue / Black) Solus S1203SGAF (Green / Black)	AMBER PC	11602-ECS-15 11604-ECS-15	UV-filtering action: 2C-1.2 3M 1 FT / BT K N – EN166 FT / BT CE
Solus S1102SGAF (Blue / Black) Solus S1202SGAF (Green / Black)	GREY PC	11603-ECS-15 11604-ECS-15	UV- / Sun glare filtering action: 2C-3 / 5-3.1 3M 1 FT / BT K N – EN166 FT / BT CE

Valid for all types:

- Optical class 1
- C: recognition of signal lights
- Resistance of oculars to surface damage by fine particles (K)
- Resistance of oculars to fogging (N)

Additional remark:

If the lenses and frames are marked separately, the following markings shall be applied:

- for the lenses: X / Y 3M 1 FT / BT K N CE (for X, Y see table above)
- for the frame: 3M EN166 FT / BT CE
- Assemblies with temples (safety spectacles):
Protection against high-speed particles, low energy impact
at extremes of temperatures (FT)
- Assemblies with gasket and headband (spoggles):
Protection against high-speed particles, medium energy impact
at extremes of temperatures (BT)