

3M™ Solus™ CCS Series Safety Spectacles

Technical datasheet



Product description

- ▶ Single piece ocular in a rimless frame, with fixed length temple arms
- ▶ Scotchgard™ Anti-Fog coating (Solus CCS)
- ▶ Optional foam insert



Key features

- ▶ Optical class 1 lens for prolonged use
- ▶ Single piece ocular lens
- ▶ Rimless ocular frame
- ▶ Lens options (Solus CCS) – Clear, Grey or Indoor/Outdoor; Clear (CCS)
- ▶ Frame colour – Green (Solus CCS), Blue (CCS)
- ▶ 3M™ Scotchgard™ Anti-Fog/Anti-Scratch coating providing protection against fogging and scratching, meeting K & N marking requirements of EN166 (Solus CCS)
- ▶ Offers protection against UV radiation
- ▶ Cord Control System (CCS) – to securely hold cords of corded earplugs



Product range

Product ID	Description	Lens colour	Frame/shroud colour
SCCS01SGAF-GRN	3M™ Solus™ CCS Safety Glasses, Lime Green Temples, Scotchgard™ Anti-Fog/Anti-Scratch Coating (K&N), Clear Lens, SCCS01SGAF-GRN-EU	Clear	Green
SCCS02SGAF-GRN	3M™ Solus™ CCS Safety Glasses, Lime Green Temples, Scotchgard™ Anti-Fog/Anti-Scratch Coating (K&N), Grey Lens, SCCS02SGAF-GRN-EU	Grey	Green
SCCS07SGAF-GRN	3M™ Solus™ CCS Safety Glasses, Lime Green Temples, Scotchgard™ Anti-Fog/Anti-Scratch Coating (K&N), I/O Grey Lens, SCCS07SGAF-GRN-EU	I/O Grey	Green
SCCS01SGAF-GRN-F	3M™ Solus™ CCS Safety Glasses, Lime Green Temples, Foam Gasket, Scotchgard™ Anti-Fog/Anti-Scratch Coating (K&N), Clear Lens, SCCS01SGAF-GRN-F-EU	Clear	Green
71511-00000	3M™ CCS Safety Glasses, Anti-Scratch/Anti-Fog, Clear Lens, 71511-00000	Clear	Blue
71511-99999	3M™ CCS Foam Insert, 71511-99999		

Typical applications

These products may be suitable for use in a wide variety of applications including:

- ▶ Industrial manufacturing
- ▶ Metal working
- ▶ Construction
- ▶ Food industry
- ▶ Pharmaceutical
- ▶ General laborator

Intended use

These products are intended for protection against a variety of hazards including low energy impact (F) at extremes of temperature -5°C and +55°C (T) in accordance with EN166:2001. These products also help protect against UV radiation in accordance with EN170:2002 (clear lens), and sun glare in accordance with EN172:1994 (grey lens).

The Solus CCS lenses are also intended to give an enhanced level of protection against fogging and scratching from the 3M™ Scotchgard™ coating which meets K rating for anti-scratch (AS) and N rating for anti-fog (AF) as per EN166:2001.

A number of lens options are available for a variety of different applications:

- ▶ Clear – Good colour recognition and excellent UV protection
- ▶ Grey – Protection from sunglare
- ▶ Indoor/Outdoor – Perfect for workers that move in and out of strong sunlight
- ▶ 3M™ Scotchgard™ – for added protection against fogging and scratching (EN166 Anti-Fog (N) and Anti-Scratch (K))

Use limitation

- ▶ Never modify or alter this product
- ▶ Do not use this product against hazards other than those specified in this document
- ▶ These products are not suitable for grinding or welding
- ▶ These products are **not** designed to be worn over prescription spectacles

Important notice

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

For more information on 3M products and services please contact 3M.

Standards and approval

The Solus CCS products are type examined by ECS GmbH European Certification Service, Obere Bahnstrasse 74, 73431 Aalen, Germany, Notified Body number 1883.

The CCS is type examined by BSI Group, The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands, Notified Body No. 2797.

These products are CE marked to the requirements of the European Regulation (EU) 2016/425.

Materials listing

Description	Material
Lens	Polycarbonate
Frame	Polycarbonate
Foam insert (frame)	Nylon
Foam insert	EVA foam

Marking

The products have demonstrated compliance with the requirements of EN166:2001 and associated standards and bear the following marks:

Product reference	Lens	Frame
SCCS01SGAF-GRN-EU	2C-1.2 3M 1 FT K N	3M EN 166 FT CE
SCCS02SGAF-GRN-EU	5-3.1 3M 1 FT K N	3M EN 166 FT CE
SCCS07SGAF-GRN-EU	5-1.7 3M 1 FT K N	3M EN 166 FT CE
CCS	2C-1.2 3M 1 FT	3M EN 166 FT CE

Explanation of marking

Marking	Description
2C-1.2 (EN 170:2002)	UV protection with good colour recognition. This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm)
5-1.7 & 5-3.1 (EN 172:1994 (as amended))	Sun-glare protection conforming to the requirements of the standard, providing UV protection for the complete specified range (280nm – 350nm)
1	Optical class
F	Impact protection against high speed particle at low energy (45m/s)
T	Tested for impact protection at extreme temperature conditions -5°C and +55°C
K	Resistance to surface damage by fine particles
N	Resistance to fogging