

Product data sheet

IQ box Safety *



Safety module for protecting hazardous areas of power-operated windows

AREAS OF APPLICATION

- Closing edge protection on automated power-operated windows with 24V IQ windowdrive units
- For connecting safety edges and non-contact sensors
- One IQ box Safety per window for up to four window drives and two locking drives
- Suitable for natural ventilation, smoke and heat extraction systems (SHEV)
- Suitable for all activation units (SHEV control panel, 24 V power supply, IQ box KNX, IQ gear)

PRODUCT DESCRIPTION

IQ box Safety ensures that the automated ventilation windows close safely by protecting the main and secondary closing edges. If the sensors detect a foreign object, the window will be stopped or the closing motion will be reversed. Especially in primary and nursery schools, this kind of finger guard is necessary to design an automated ventilation system, since children are considered in need of special protection.

PRODUCT FEATURES

- Complies with the most stringent protection rating demands in respect of risk assessment for power-operated windows pursuant to the Machinery Directive (protection rating 4)
- TÜV tested functional safety in accordance with DIN EN 13849-1
- Four pre-set sensor inputs for safety edges and optical sensors
- Top hat rail housing with pluggable clamps for quick and easy wiring
- Integrated push button for closing windows manually during servicing
- Easy and quick commissioning due to pre-set standard parameters
- Adjustments to the parameters with ST 220 service terminal possible

TECHNICAL DATA

Productname	IQ box Safety *
Dimensions	35 x 90 x 60 mm
Type of installation	Top hat rail mounting
Operating voltage	24 V DC
Current consumption	0.1 A
Cable dimensions (max.)	2.5 mm ²
Max. total length drives	50 m
Max. cable length non-contact sensors	10 m
Max. cable length safety edges	200 m
Inputs for sensors	4 Stk.
Software drives	The software version of the drives (IQ windowdrive) must be V3.2 or higher or V1.0 for F1200 +.
Service temperature	-5 – 70 °C
IP rating	IP20
protection rating	III
Approved safety edges	4,5k – 22k Ohm

VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
IQ box Safety *	Module for closing edge protection for window drives from the 24V IQ windowdrive series. One IQ box Safety is required for each window (as well as for Syncro applications and with locking drives). Top hat rail mounting (space required 32 mm/2 horizontal pitches)	187677	35 x 90 x 60 mm	24 V DC	Top hat rail mounting

ACCESSORIES**CONNECTION CABLE IQ BOX SAFETY ***

Cable with plug for the connection of the IQ box Safety to the service case



Designation	Description	Ident-No.	Connector cable length
Connection cable IQ box Safety *	Cable with plug for the connection of the IQ box Safety to the service case	193394	20 cm

GC 342 *

Laser scanner for the protection of automatic doors and windows with integrated object and wall blanking



Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 342 (left module) *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167433	white	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (right module) *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167435	black	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (left module) *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167434	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (left module) *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167432	black	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167439	white	143 x 86 x 40 mm	2 potential-free relay contacts

Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 342 (right module) *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167437	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167438	black	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (right module) *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167436	white	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit *	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167440	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts

GC 339+ *

Safety sensor for automatic sliding, revolving, and curved sliding doors, as well as for windows



Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 339+ *	Safety sensor for automatic doors	203859	according to RAL	209 x 58 x 47 mm	Potential-free relay contact
GC 339+ *	Safety sensor for automatic doors	203858	black	209 x 58 x 47 mm	Potential-free relay contact

SURFACE-MOUNTED HOUSING *

Housing for surface mounting of top hat rail components such as power supply units or control units



Designation	Description	Ident-No.	Colour	Dimensions	IP rating
Surface-mounted housing *	Size: W x H x D = 193 x 130 x 82 mm. For electronic top hat rail components, e.g. power supply units	152010	white	193 x 130 x 82 mm	IP40

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* The products designated above may vary in form, type, characteristics, function, or availability depending on the country. Please get in touch with your GEZE contact person if you have any questions.