

# 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 (smoke and heat extraction system control panel, 24 V power supply, KNX, IQ gear)



## PRODUKTBESCHREIBUNG EN

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
- 4 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 <sup>2</sup>
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 +.
Temperature range	-5°C...+70°C
IP rating	IP20
protection rating	III
approved safety edges	4,5k - 22k Ohm

## VARIANTS / ORDER INFO

Name	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
IQ box Safety	Closing edge safety module for 24V window drives of the IQ windowdrive series. One IQ box Safety is needed per window (also for Syncro applications and with locking drives). Top hat rail mounting (space needed 32 mm/2 TE)	187677	35 x 90 x 60 mm	24 V DC	Top hat rail mounting

## ACCESSORY

### CONNECTING CABLE FOR IQ BOX SAFETY

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



### GC 339

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



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
GC 339	Safety sensor for automatic doors	151252	acc. to RAL	209 x 58 x 47 mm	24 V
GC 339	Safety sensor for automatic doors	151251	black	209 x 58 x 47 mm	24 V

### GC 342

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



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
GC 342 (left module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167433	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 (right module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167435	black	143 x 86 x 40 mm	24 V
GC 342 (left module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167434	stainless steel optic	143 x 86 x 40 mm	24 V
GC 342 (left module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167432	black	143 x 86 x 40 mm	24 V

# IQ box Safety



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
GC 342 Kit	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / comprising two sensor modules, cables and accessories	167439	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 (right module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167437	stainless steel optic	143 x 86 x 40 mm	24 V
GC 342 Kit	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / comprising two sensor modules, cables and accessories	167438	black	143 x 86 x 40 mm	24 V
GC 342 (right module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167436	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 Kit	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / comprising two sensor modules, cables and accessories	167440	stainless steel optic	143 x 86 x 40 mm	24 V