

KGG VISION COMPACT

Operation and Maintenance Instructions



Table of contents

Page

1 System connections	3
1.1 Connectors	3
1.2 Standard cables	3
1.3 Connection values	3
1.4 Terminal plan	4
1.5 Mains supply (on-site)	5
2 Motorized opening aid	5
3 Door components	5
3.1 Holding magnets	5
3.2 Limit switch	6
3.3 External pushbutton	6
4 Higher-level control system	6
4.1 Fire alarm system	6
4.2 Potential-free signal-exchange	6

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1 System connections

1.1 Connectors

The control system has different types of connectors:

X3 / X17

Cable cross section min.: 0,2 mm²

Cable cross section max.: 2,5 mm²

1.2 Standard cables

The cable length listed below must be observed in the installation!

Reducing the cross section or exceeding the length specification will result in voltage losses and, therefore, fault-free function cannot be guaranteed!

Current load up to 0.25 A	0.50 mm ²	maximum cable length:	30 m
	0.75 mm ²	maximum cable length:	30 m
Current load up to 0,5 A	0.50 mm ²	maximum cable length:	30 m
Current load up to 0.75 A	0.75 mm ²	maximum cable length:	30 m
Current load up to 1.0 A	0.75 mm ²	maximum cable length:	20 m



Using each of the following cable types for its designated purpose is mandatory. The use of unshielded cables can lead to erroneous function and defective control components as a result of EMC influences.

X7: Fire detector

2 x 2 x 0.8 mm	maximum cable length:	30 m	J-Y(ST)Y ...LG - fire alarm cable	(standard)
			J-H(ST)H...BD - fire alarm cable	(non-halogen)

1.3 Connection values

Maximum permissible connection values are derived from the list of components.

The following specified values are maximum values for the respective components that can be connected.

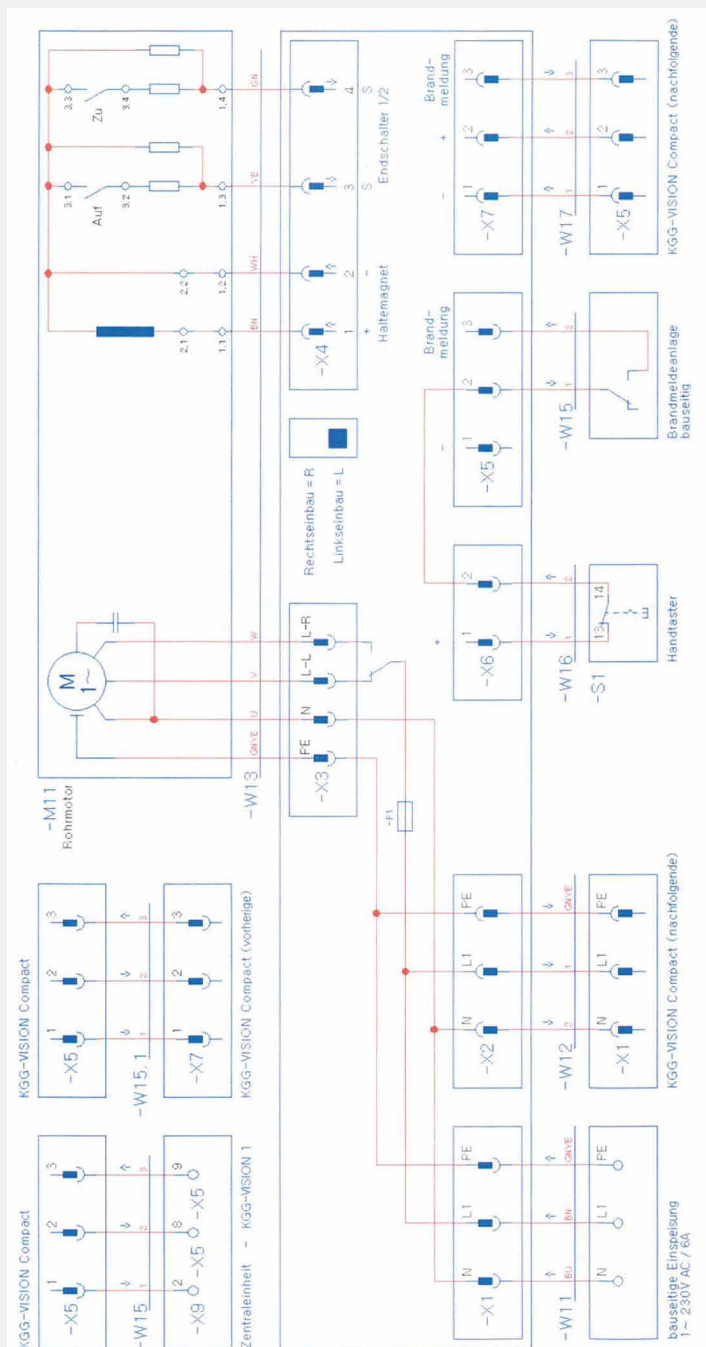
Monitoring door position:	Limit switch	Sum max.	250 mA
Re-opening:	Door drive	Sum max.	250 mA
Hold-open device:	Holding magnets 2x 900 mA (21W)	Sum max.	1,800 mA
Fire alarm system:	Signal exchange	Sum max.	100 mA



The system must be designed to ensure that the maximum control system load as per the power rating on the nameplate is not exceeded by the components!

The power ratings of the individual components are listed on the approval notification.

1.4 Terminal plan



1.5 Mains supply (on-site)

Terminal assignment:

X1:N	Input	N	on-site power supply
X1:L1	Input	L1	on-site power supply - 3~ 400 V AC / 1~ 230 V AC
X1:L2	Input	L2	on-site power supply - 3~ 400 V AC
X1:L3	Input	L3	on-site power supply - 3~ 400 V AC

2 Motorized opening aid

Control of a 230 V condenser motor including selection of the direction of rotation.

The preselection of the direction of rotation „L“ / „R“ is made via the slide switch to be right of the terminal slip.

According to the position of the slide switch, the terminal L-L (left) or L-R (right) is supplied.

Electric protection L1: S1 - 5 A / 5x 20 mm glass fuse

Terminal assignment:

X3:N	Output	N	Door drive
X3:L-L	Output	L1	Door drive - slide switch in position: „L“
X3:L-R	Output	L1	Door drive - slide switch in position: „R“

X4:1	Output	24 V DC	Holding magnet 1
X4:2	Output	0 V DC	Holding magnet 1

X4:3	Input	5 - 13 V DC	Limit switch 1 - actuated
		13 - 22 V DC	Limit switch 1 - not actuated

X4:4	Input	5 - 13 V DC	Limit switch 2 - actuated
		13 - 22 V DC	Limit switch 2 - not actuated

3 Door components

3.1 Holding magnets

Terminal assignment:

X4:1	Output	24 V DC	Holding magnet 1 - angesteuert
X4:2	Output	0 V DC	Holding magnet 1 - Versorgung

3.2 Limit switch

Terminal assignment:

X4:3	Output	24 V DC	Limit switch 1/2 - feed
X4:4	Output	0 V DC	Limit switch 1/2 - feed

3.3 External pushbutton

The pushbutton is used for the optional extension for triggering.

As an actuating element, a opened contact is to be used. If no pushbutton is installed, a jumper must be installed in the controller.

Electric protection:	0,1 A
Fuse:	current limited

4 Higher-level control system

4.1 Fire alarm system

The signaling contact of the fire alarm system is to be clamped on the terminal X5 2 and 3.

Electric protection:	0,1 A
Fuse:	current limited

Terminal assignment:

X5:1	change-over contact	NO	Rückmeldung	1 = kein Brandalarm
X5:2	change-over contact	C	Relais	Mittelabgriff
X5:3	change-over contact	NC	Rückmeldung	1 = Brandalarm

4.2 Potential-free signal-exchange

Tapping of the collective signal „no fire alarm“ for forwarding to the following control unit.

Terminal assignment:

X7:1	Output	NO	0 V DC
X7:2	Output	C	24 V DC
X7:3	Output	NC	Fire alarm



Textile-flexible
smoke barriers



Textile-flexible smoke
protection closures



Textile-flexible fire
protection closures



Systems - Materials -
Installation



Smoke and fire doors



Conveyor system
closures



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