

# Overview

## GfA door controls

for GfA ELEKTROMATEN® drives  
with DES digital limit switch or NES mechanical limit switch

WS 900

TS 959


TS 970

TS 971

TS 981



### Designation

For ELEKTROMATEN with limit switch	NES	DES / NES	DES / NES	DES / NES	DES
Suitability for Frequency- / direct inverter ELEKTROMATEN (FI/DU)	-	-	●	●	●
CLOSE / OPEN in hold-to-run mode	●	●	●	●	●
CLOSE in hold-to-run mode / OPEN in self-hold mode	●	●	●	●	●
CLOSE / OPEN in self-hold mode	-	-	●	●	●
Integrated three push button	-	●	●	● <sup>1</sup>	●
CP <sup>(connection point)</sup> for external three push button [number]	● [1]	● [1]	● [1]	● [1]	● [2]
Digital display	-	●	●	●	●
CP for emergency-stop switch	●	●	●	●	●
CP for photo cells	-	-	●	●	●
CP for Optical safety edge system	-	-	●	●	●
CP for Safety edge with NO-contact principle 8k2	-	-	●	●	●
CP for Safety edge with NC-contact principle 1k2	-	-	●	●	●
CP for an external radio receiver / cable pull-switch	●	-	●	●	●
Independent, programmable relay contact [number]	-	● [1] <sup>2</sup>	● [1] <sup>2</sup>	● [2] <sup>2</sup>	● [2] <sup>3</sup>
CP for red or green traffic-lights	-	● <sup>2</sup>	● <sup>2</sup>	● <sup>2</sup>	●
CP for red and green traffic-lights [number]	-	-	-	● [2] <sup>2</sup>	● [2] <sup>4</sup>
UBS <sup>5</sup> module with plug-in-points [number]	-	-	● [1]	● [2]	● [5]
24V mains supply ratings for external devices	● / 1,0 A <sup>6</sup>	-	● / 0,18 A	● / 0,35 A	● / 1,0 A
230V mains supply ratings for external devices	-	● / 1,6 A	● / 1,6 A	● / 1,6 A	● / 1,6 A
Integrated radio receiver for 434 MHz systems	-	-	-	●	-
Integrated radio transmission system for WSD <sup>7</sup>	-	-	-	●	-
Intermediate open function	-	-	●	●	●
Automatic closing	-	-	●	●	●
One-way and two-way traffic control	-	-	-	-	●
Air-lock management	-	-	-	-	● <sup>8</sup>
RWA <sup>9</sup> function	-	-	-	-	●
Entrapment evaluation	-	-	-	-	●
Suitability for the GfA-Stick 	-	●	●	●	-

1 With lighting system that prompts operator

2 Relay contact can be used as a traffic-light or as a potential-free contact

3 Additional five contacts available (via auxiliary SMF module)

4 Traffic-lights -Inside/Outside- for traffic control

5 UBS universal command sensor system (see S. 8.091)

6 Only for versions with a control voltage of 24V

7 Wireless Safety Device - replaces the spiral cable

8 Function only via optional module available

9 RWA (smoke draining function)

