Click Here* for more information or to view this product on The Safety Equipment Store® website.

4 status LEDs for alarms and operating state 2,2" graphic display 3 buttons Buzzer max.100dB(A) adjustable	S	
only indoors up to 2000m above sea level -25+60°C 595%r.h. (recommended 0+30°C 4060%r.h.) -20+50°C 595%r.h. (without internal PSU) -20+45°C 595%r.h. (with internal PSU and max. 150mA load at U _{out})		
-20+40°C 595%r.h. (with internal PSU and max. 250mA load at U_{out}^{-1}) -20+55°C 595%r.h. (without internal PSU) -20+50°C 595%r.h. (with internal PSU and max. 150mA load at U_{out}) -20+45°C 595%r.h. (with internal PSU and max. 250mA load at U_{out})		
GMA22 with internal PSU 100-240V AC mains voltage 50-60Hz	GMA22 without internal PSU 24V DC (20-30V DC) through stabilized	
max. 25VA (with transmitters) max. 6VA (without transmitters) max. 20W (with transmitters) max. 5W (without transmitters)		
F1: T315mA changeable (for TRM) F2: 250mA not changeable (for GMA interna	: F1: T630mA changeable (for TRM)	
	·	
GMA22 with internal PSU 24V DC ±5% of internal power supply max. 300mA	GMA22 without internal PSU 24V DC (20-30V DC) of external power supply max. 600mA	
4-20mA or 0,2-1mA (4-20mA with ACDC capability) Tolerance*: ±0,3%MR@4-20mA or ±1,2%MR@0,2-1mA (MR=measuring range) (load approx. 50100Ω, Imax=70mA permanent / 500mA temporary)		
RS485; Half-Duplex; max. 38400 Baud		
15		
Rise time t_{50} <2s or t_{90} <2sec	Decay time t_{50} <2s or t_{10} <2sec	
אוse נוme נ₅0<2s or נ∍0<4sec Rise time t₅0<6s or t₅0<10sec	Decay time t_{50} <2s or t_{10} <4sec Decay time t_{50} <6s or t_{10} <10sec	
(extended by setting times of the gas measu <40s (can be extended by running-in times of the setting of the set	ring transmitters) of gas measuring transmitters)	
къ485; Hait-Duplex; max. 38400 Baud (only f	for GiviA200 relay modules)	
4 relays NO 4 relays SPDT (GMA22 without internal PSU)		
3 relays SPDT, 1 relay NO (GMA22 with internal PSU) Double insulation between adjacent relays Basic insulation between adjacent relays 3A/250V AC or 3A/30V DC		
10mA 5V		
max. 2GB microSD card with FAT formatting	(FAT16)	
	4 status LEDs for alarms and operating state 2,2" graphic display 3 buttons Buzzer max.100dB(A) adjustable $-25+60^{\circ}C 595\%r.h. (recommended 0+-20+45^{\circ}C 595\%r.h. (with ut internal PSU ar-20+45^{\circ}C 595\%r.h. (with internal PSU ar-20+45^{\circ}C 595\%r.h. (with internal PSU ar-20+45^{\circ}C 595%r.h. (with internal PSUarx. 25VA (with transmitters)max. 20W (with transmitters)F1: T315mA changeable (for TRM)F2: 250mA not changeable (for GMA internaGMA22 with internal PSU24V DC ±5% of internal power supplymax. 300mA4-20mA or 0,2-1mA (4-20mA with ACDC caTolerance*: ±0,3%MR@4-20mA or ±1,2%MF(load approx. 50100Q, Imax=70mA permanRS485; Half-Duplex; max. 38400 Baud1sRise time t50<2s or t50<2secRise time t50<2s or t50<2secRise time t50<2s or t50<4secRise time t50<2s or t50<2secRise time t50<2s or t50<4secRise time t50<4secRise time t50<5s or t50<4secRise time t50<4secRise time t50<4secRise time t50<5s or t50<4secRise time t50<5s or t50<5s or t50<5s or t50<5s$	



Technical specifications: GMA22-MW / GMA22-MS



Housing			
Protect	tion class:	IP64 according to IEC 60529; IK08 according to IEC 62262	
	iviateriai:	Plastic	
Dir	mensions:	97 x 140 x 50 mm (W x H x D)	
	Weight:	275g	
Cable junction			
	Cable:	3-wire ≥0,75mm² LiYY, NYM (for GMA supply) 2-4 wires 0.5 _ 1.0 _ (1.5)mm² LiYY, LiYCY, Y(St)Y (for transmitters)	
Cab	ام مام مامر	E views MIC(1) (from the control of control to the second se	
Cab	ie gianus.	5 pieces M rox 1,5 (for cable diameter 4,5- formit)	
Termin	al blocks:	0,51,0mm ² cross section (1,5mm ² for solid conductor)	
Approvals / Tests			
Electromagnetic com	patibility:	DIN EN 50270:2015	(Interference emission: type class I, interference immunity: type class II)
Electri	cal safety:	EN 61010-1.2010	(Pollution degree 2 overvoltage category II for mains supply)
Licent	cur surcey.		(Pollution degree 2, overvoltage category II for relay contacts)
			(Poliution degree 2, overvoitage category in for relay contacts)
Service life		20 years	

* This is only the measurement tolerance of the GMA. The transmitters have additional tolerances.

