

OpenAir™

Air damper actuators Modbus RTU

GEB161.1E/MO, GIB161.1E/MO non-spring return types



Air damper actuators 20 Nm / 35 Nm (non-spring return) with Modbus communication

- Nominal torque:
 - GEB...: 20 Nm
(Legacy type: 15 Nm)
 - GIB...: 35 Nm
- Modbus RTU communication
- Operating voltage: AC/DC 24 V
 - (Legacy types: AC 24 V)
- For air-handling units (AHU) and other ventilation applications

Functions

Function	Description
Communication	Modbus RTU (RS-485), not galvanically isolated
Functions	- Setpoint and actual position 0...100 % - Override control Open / Close / Min / Max / Stop - Setpoint monitoring and backup mode
Supported baud rates	9.6 / 19.2 / 38.4 / 57.6 / 76.8 / 115.2 kBaud
Transmission formats	1-8-E-1 / 1-8-O-1 / 1-8-N-1 / 1-8-N-2
Bus termination	120 Ω electronically switchable

Type summary

Type	Stock number	Operating voltage	Positioning signal	Power consumption	Runtime	Manual adjuster	Positioning feedback
GEB161.1E/MO	S55499-D663	AC/DC 24 V	Modbus RTU	2.6 VA / 1.7 W max. ¹⁾	150 s	Yes	Yes
GIB161.1E/MO	S55499-D856			3.4 VA / 2.4 W max. ¹⁾			
Legacy types:							
GEB161.1E/MO ²⁾	S55499-D298	AC 24 V	Modbus RTU	6 VA / 5.5 W max. ¹⁾	150 s	Yes	Yes
GIB161.1E/MO ³⁾	S55499-D299			8 VA / 8 W max. ¹⁾			

¹⁾ max. = Actuator running

²⁾ Available until Sep. 2021

³⁾ As long as stocks last

Order data (example)

Type	Stock number	Description	Quantity
GEB161.1E/MO	S55499-D663	Air damper actuator Modbus	1
ASK74.7	BPZ:ASK74.7	Shaft extension	1
(+ additional accessories)			

Accessories / spare parts

- GEB...: See data sheet N4697
 - GIB...: See data sheet N4699
- (See "Product documentation [► 3]")

Device combinations

Type	Stock number	Description	Documentation
POL424.50/STD	S55394-C245-A100	Programmable Climatix controllers	See "Product documentation [► 3]"
POL424.70/STD	S55394-C247-A100		
POL635.00/STD	BPZ:POL635.00/STD		
POL638.00/STD	BPZ:POL638.00/STD		
POL638.70/STD	S55396-C387-A100		

Product documentation

Title	Contents	Document ID
Rotary actuator without spring return GEB..1	Technical principles Detailed information on non-spring rotary actuators (spring return) 15 Nm	Z4621
Rotary actuators without spring return GBB/GIB..1	Technical principles Detailed information on non-spring rotary actuators (spring return) 35 Nm	Z4626
Mounting instructions for actuators G..A161.1E/MO, G..B161.1E/MO	Mounting instructions: Installation of actuators with external Modbus interface.	A5W00195533
Accessories and spare parts for air damper actuators: ASC.., ASK..	Data sheet: Overview, functions, and use for accessories and replacement parts for types GMA.. and GEB..	N4697
Accessories and spare parts for air damper actuators: ASC.., ASK..	Data sheet: Overview, functions, and use for accessories and replacement parts for types GCA.., GBB.., and GIB..	N4699
Climatix- standard application for air handling units	Application description [English only]: Detailed overview of Climatix applications for air handling units	A3975
Climatix Controllers POL42..	Data sheet [English only]: Basic information on the freely programmable Climatix controllers (POL42..)	Q3973
Climatix controllers POL4..	Basic documentation: Detailed information on the freely programmable Climatix controllers (POL4..)	P3973
HVAC&R controllers POL63..	Data sheet: Basic information on the freely programmable Climatix controllers (POL63..)	Q3230
Climatix Controllers POL6.. and I/O modules POL9..	Basic documentation [English only]: Detailed information on Climatix controllers (POL6..) and communication modules (POL9..)	P3903
Climatix range	Data sheet: Basic information on the Climatix product range (POL..)	Q3900

Related documents such as the environmental declarations, declarations of conformity, etc., can be downloaded from the following Internet address:

www.siemens.com/bt/download

! CAUTION**National safety regulations**

Failure to comply with national safety regulations may result in personal injury and property damage.

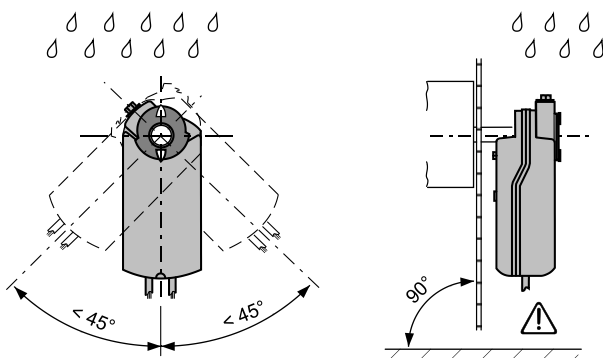
- Observe national provisions and comply with the appropriate safety regulations.
- Mounting, commissioning, and service by properly trained personnel only.

Mounting

NOTICE

Do not open the actuators.

◆ **IP54** in the following mounting positions:

IP54

Commissioning

Workflow 1:

The devices were developed specifically for use with Climatix pushbutton configuration as described in document CE1A3975 ¹⁾.

The bus configuration can alternatively be configured by the local HMI, see section "User interface [► 6]"

Check the following during commissioning:

- *Bus configuration* (address, baud rate, transmission mode, and optional bus termination). The initial address 255 ²⁾ allows mounting and commissioning of multiple actuators at the same time without impacting each other.
- *Actuator parameters* (Opening direction, position limits, position adaptation, etc.). The value can be read over the Modbus register. Do not write parameters in cycles.

¹⁾ See "Product documentation [► 3]"

²⁾ Address 255 is "unassigned" and must be set before the adapter can be operated.

Full or partial configuration via bus

The devices can be configured over bus if the pre-commissioning settings allow for a connection between the Modbus client/programming tool and peripheral devices (i.e. non-conflicting addresses and matching baud rate/transmission format).

- *Full configuration via bus:* A unique Modbus address can connect by the Modbus client/programming tool after startup using the presets for transmission format and baud rate (or auto-baud).
- *Partial configuration over bus:* If the address is not unique per segment when powered up, each device must get a non-conflicting address before connecting it to the bus, either by using the address input with push button (see "Enter address using pushbutton [► 8]") or by setting the address to 246 with push button press > 5 s and < 10 s ("Push-button operation [► 6]"). After addressing all devices, the remaining configuration can be done over the bus using the default settings for baud rate (auto-baud) and transmission mode for the Modbus master.

The Modbus client/programming tool can then connect after startup using the presets for transmission format and baud rate (or auto-baud).

The bus and actuator parameters can be set to target values on an existing connection over the bus. For write operations to the bus parameters, "1 = Load" must be written to Reg 768 within 30 seconds; the changes are otherwise discarded.

Example: The table shows the register values before and after the change via bus access.

Tab	Name	Before change	After change
764	Modbus address	246	12
765	Baud rate	0 = Auto	1 = 9600
766	Transmission format	0 = 1-8-E-1	3 = 1-8-N-2
767	Bus termination	0 = Off	0 = Off
768	Bus conf. command	0 = Ready	1 = Load

Maintenance

Are damper actuators G..B161.1E/MO are maintenance free.

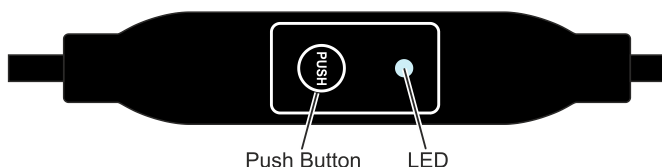
Disconnect the electrical connections from the terminals if you have to work at the device.

Disposal

	This symbol or any other national label indicate that the product, its packaging, and, where applicable, any batteries may not be disposed of as domestic waste. Delete all personal data and dispose of the item(s) at separate collection and recycling facilities in accordance with local and national legislation. For additional details, refer to Siemens information on disposal.
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Warranty service

The application-specific technical data is guaranteed only in combination with the Siemens products listed in the 'Device combinations' section. If third-party products are used, any guarantee provided by Siemens will be invalidated.



Push-button operation

Action		Pushbutton operation	Feedback message
Current Modbus address (starting with lowest address digit)		Short press (<1 s) the button 1x	1st digit (single digit): red 10-digit (double digit): green 100-digit (triple digit): orange The LED flashes 1x blue after the address display if bus termination is switched on Example: 124 = 4x red, 2x green, 1x orange
Bus termination	Switch-on	Press 3x wait> 1 s	LED turns off.
		Within 10 s: Short press (<1 s) the button 1x	LED flashes 1x blue (termination mode) Without pressing the button within 10 s: - Address (and any bus termination) displays. - Device enters normal mode.
		Within 10 s: Press button until the LED turns red	LED is red (confirmation). Without pressing the button within 10 s: - Address (and any bus termination) displays. - Device enters normal mode.
		Release button	LED not lit. Address is indicated. LED 1x blue (termination mode on) after address display. Device enters normal mode.
	Switch off	Press 3x wait > 1 s	LED turns off.
		Within 10 s: Press button until the LED turns red	LED is red (confirmation). Without pressing the button within 10 s: - Address (and any bus termination) displays. - Device enters normal mode.
		Release button	LED not lit. Address is indicated. [LED NOT blue (termination mode OFF) after address display.] Device enters normal mode.
Enter Modbus address with push-button		Press button 1...5 s	See "Enter address using pushbutton [▶ 8]"
Enable push-button addressing mode (For use with Climatix controllers)		Press button 5...10 s	LED is red and turns off after 5 s.
		Release button	LED is orange.
Reset to factory settings		Press button >10 s	LED flashes orange.

LED colors and flashing patterns

Color	Blinking pattern	Description
Green	1 s on / 5 s off	Normal mode without bus traffic
	Flickering	Normal mode with bus traffic
Orange ¹⁾ / Green	1 s orange / 1 s green	Device is in override control
Orange ¹⁾	1 s on / 1 s off	Bus parameter not yet configured
	1 s on / 5 s off	Backup mode
Red	Permanently lit	• Mechanical fault • Device jammed • Manual override • Calibration
	1 s on / 5 s off	Internal error
	0.1 s on / 1 s off	Invalid configuration, e.g. Min = Max
Blue	Flashes 1 x after address display	Bus termination is active

¹⁾ The orange LED can vary in color depending on the angle and may appear to be yellow or light green.

Reset actuator with pushbutton

1. Press button >10 s.
⇒ LED flashes **orange**.
2. Release the button *while* LED is still flashing.
⇒ LED flashes another 3 s
⇒ Press the button *for* 3 s to **cancel the reset**.
3. Press *after* the 3 s.
⇒ LED is **red** (Reset) while the device restarts.

Enter address using pushbutton

Display current address (starting from lowest address position)

The Modbus address can be set without a separate tool by using the addressing push-button.

- ◆ Short press (<1 s).
- ⇒ Displays the Modbus address.

Colors / Flash pattern			
	1-digit: red	10-digit: green	100-digit: orange
Example for address 124 :			
LED			
Note	The address is entered and displayed beginning at the lowest digit (1st digit), see figure above. (Example: 124 starts with 4x red)		

Enter new address (starting from lowest address position)

- 1. Enable addressing mode:**
 - Press button > 1 s until LED is **red**.
 - Release before LED turns off.
 - 2. Enter digits: Press button n-times.**
 - ⇒ LED flashes 1x per press as feedback.
 - Colors: 1-digit: **red** / 10-digits: **green** / 100-digits: **orange**
 - 3. Save digits:**
 - Press and hold the button until the LED changes to the color of the next digit.
 - Release button
 - 4. Save address:**
 - Press button until the LED is **red** (confirmation).
 - Release button
- ⇒ The address is saved and is repeated 1x for confirmation.



You can skip positions by holding the button until the LED is on in the desired color.



An address can be stored at any time, i.e. after setting the 1-digits, or after setting the 1 and the 10-digits.



The address entry is canceled if the button is released at the end of the entry before the LED is red.

Set address "124"

1. Enable addressing mode: Press button 1...5 s.
2. Set 1-digit: Press button 4x.
⇒ LED flashes 1x **red** for each press of the button.
3. Save single digit: Hold pushbutton.
⇒ LED is **green**.
4. Release button
5. Set 10-digits: Press button 2x.
⇒ LED flashes 1x **green** for each press of the button.
6. Save 10-digits: Hold pushbutton.
⇒ LED is **orange**.
7. Release button
8. Set 100-digit: Press button 1x.
⇒ LED flashes 1x **orange** for each press of the button.
9. Save address: Hold pushbutton.
⇒ LED is **red**.
10. Release button
⇒ The address is saved and is repeated 1x for confirmation.

Set address "50"

1. Enable addressing mode: Press button 1...5 s.
2. Skip 1-digit: Hold pushbutton.
⇒ LED is **green**.
3. Release button
4. Set 10-digits: Press button 5x.
⇒ LED flashes 1x **green** for each press of the button.
5. Save 10-digits: Hold pushbutton.
⇒ LED is **orange**.
6. Release button
7. Save address (skip 100-digit): Hold pushbutton.
⇒ LED is **red**.
8. Release button
⇒ The address is saved and is repeated 1x for confirmation.

Set address "7"

1. Enable addressing mode: Press button 1...5 s.
2. Set 1-digit: Press button 7x.
⇒ LED flashes 1x **red** for each press of the button.
3. Save address (skip 10-digit and 100-digit): Hold pushbutton.
⇒ LED is **red**.
4. Release button
⇒ The address is saved and is repeated 1x for confirmation.

Process values						
Reg.	Addr.	Name	R/W	Unit	Scale	Range/Listing
1	0	Setpoint	RW	[%]	0.01	0...100 % = 0...10000
2	1	Forced control	RW	--	--	0 = Off / 1 = Open / 2 = Close / 3 = Stop / 4 = Min / 5 = Max
3	2	Actual value position	R	[%]	0.01	0...100 % = 0...10000
256	255	Command	RW	--	--	0 = Ready / 1 = Adapt / 2 = Self-test / 3 = Reinitialize / 4 = Remote reset

Parameter ¹⁾						
Reg.	Addr	Name	R/W	Unit	Scale	Range/Listing
257	256	Opening direction	RW	--	--	0 = CW / 1 = CCW
258	257	Adaptive mode	RW	--	--	0 = Off / 1 = On
259	258	Operating mode	RW	--	--	1 = POS
260	259	MinPosition	RW	[%]	0.01	0...100 % = 0...10000
261	260	MaxPosition	RW	[%]	0.01	0...100 % = 0...10000
262	261	Actuator runtime	R	[s]	1	150
513	512	Backup mode	RW	--	--	0 = Go to backup position / 1 = Hold last position / 2 = Deactivated
514	513	Backup position	RW	[%]	0.01	0...100 % = 0...10000
515	514	Backup timeout	RW	[s]	1	0...65,535
516	515	Start-up setpoint	RW	[%]	0.01	0...100 % = 0...10000
764	763	Modbus address	RW	--	--	1...245 246 = Automatic event addressing 255 = "unassigned" ²⁾
765	764	Baud rate	RW	--	--	0 = Auto / 1 = 9600 / 2 = 19200 / 3 = 38400 / 4 = 57600 / 5 = 76800 / 6 = 115200
766	765	Transmission format	RW	--	--	0 = 1-8-E-1 / 1 = 1-8-O-1 / 2 = 1-8-N-1 / 3 = 1-8-N-2-
767	766	Bus termination	RW	--	--	0 = Off / 1 = On 120 Ω electronically switchable
768	767	Bus conf. command	RW	--	--	0 = Ready / 1 = Load / 2 = Discard
769	768	Status	R	--	--	See "Register 769 "State" [► 12]" and OL4621 / OL4626 ("Product documentation [► 3])"

¹⁾ Do not write parameters in cycles!

²⁾ If address 248 or higher is written to the register, the value automatically sets to the initial address 255 as soon as Reg. 268 is set to 1 ("Load").

Statistics/counter				
Reg.	Name	R/W	Meaning	Example
1025	Cumulative operating time counter (HWord)	R	HWord + LWord = cumulative time the device was operating (hex), i.e. the motor was running or was in the stop state, in seconds	1025 = 00 12 (hex) 1026 = A2 E1 (hex) 12A2E1 (hex) → 1221345 (dec) → Cum. operating time 1,221,345 sec
1026	Cumulative operating time counter (LWord)	R		
1027	Cumulative runtime time counter (HWord)	R	HWord + LWord = Total runtime (hex), i.e. how long the motor is running, in seconds	1027 = 00 08 (hex) 1028 = 12 51 (hex) 81251 (hex) → 528977 (dec) → Cum. Runtime= 528,977 s
1028	Cumulative runtime time counter (LWord)	R		
1029	Counter repositioning (HWord)	R	HWord + LWord = How often did the positioning signal change (hex)	1029 = 00 00 (hex) 1030 = A0 01 (hex) - A001 (hex) → 40961 (dec) → Repositioned = 40,961 times
1030	Counter repositioning (LWord)	R		
1031	Switch-on counter	R	How many times was the device switched on (hex)	1031 = 00 A2 (hex) → 162 (dec) → Switched on = 162 times
1032	Counter blockages	R	How many times did the device violate (hex) the blockage tolerance (Reg. 264)	1032 = 00 02 (hex) → 2 (dec) → Blockage count = 2

Device information									
Reg.	Name	R/W	Meaning	Example					
1281	Index	R	Two bytes, each coding an ASCII character	• 1281 = 00 5A (hex) → 0Z → Series state = "Z"					
1282	Production date (HWord)	R	Two bytes, the lower coding the year (hex)	• 1282 = 00 18 (hex) • 1283 = 02 0F (hex)					
1283	Production date (LWord)	R	Two bytes, HByte codes the month (hex), LByte the day (hex)			HWord	LWord		
						-	YY	MM	DD
					Hex	00	18	02	0F
					Dec	00	24	02	15
→ Production date = 15-Feb-2024									
1284	Factory Serial no.	R	HWord + LWord = Serial number (hex)	• 1284 = 00 0A (hex)					
1285	Serial number (LWord)	R		• 1285 = A2 06 (hex) • → AA206 (hex) = 696838 (dec) → Serial number = "696838"					
1289	Firmware version (HWord)	R	Two bytes, HByte corresponds to <i>major version</i> ; LByte to <i>minor version</i>	• 1289 = 03 01 (hex) • 1290 = 03 07 (hex) → 775 (dec) → Firmware version = "03.01.0775"					

Device information				
Reg.	Name	R/W	Meaning	Example
1290	Firmware revision (LWord)	R	Two bytes, code the <i>patch version</i> (hex)	
1291	Hardware version	R	Two bytes, each coding an ASCII character	1291 = 42 00 (hex) → Hardware version = "B"
1409...16	ASN [characters 16..1]	R	Each register is two bytes, each coding an ASCII char. First character in reg. 1409.	1409 = 47 45 (hex) → GE 1410 = 42 31 (hex) → B1 1411 = 36 31 (hex) → 61 1412 = 2E 31 (hex) → .1 1413 = 45 2F (hex) → E/ 1414 = 4D 4F (hex) → MO → ASN = "GEB161.1E/MO"

Register 769 "State"

Status			
Bit 00	1 = Reserved	Bit 06	1 = Adaptation done
Bit 01	1 = Backup mode active	Bit 07	1 = Adaption in progress
Bit 02	1 = Reserved	Bit 08	1 = Adaption error
Bit 03	1 = Reserved	Bit 09	1 = Self-test failed
Bit 04	1 = Mechanical fault, device jammed or manual override ¹⁾ or calibrating ¹⁾	Bit 10	1 = Self-test successful
Bit 05	1 = Nominal lifetime exceeded	Bit 11	1 = Invalid configuration

¹⁾ After 10 seconds

Supported function codes

Function codes	
03 (0x03)	Read holding register
04 (0x04)	Read input registers
06 (0x06)	Write single register
16 (0x10)	Write multiple registers (Limit: Max. 120 registers within one write operation)

Power			G..B161.1E/MO	Legacy types [S55499-D298, S55499-D299]
Operating voltage			AC/DC 24 V $\pm$ 20 % (SELV) or AC 24 V class 2 (US)	AC 24 V $\pm$ 20 % (SELV) or AC 24 V class 2 (US)
Frequency			50/60 Hz	
Power consumption	Operation	GEB..	2.6 VA / 1.7 W	6 VA / 5.5 W
		GIB..	3.4 VA / 2.4 W	8 VA / 8 W
	Hold	GEB..	2.3 VA / 1.1 W	1.5 W
		GIB..	2.3 VA / 1.1 W	1.1 W

Operating data			G..B161.1E/MO	Legacy types [S55499-D298, S55499-D299]
Torque	nominal	GEB..	20 Nm	15 Nm
		GIB..	35 Nm	
	Maximum (blocked)	GEB..	35 Nm	30 Nm
		GIB..	75 Nm	
Rotation angle	nominal		90°	
	Maximum.		95° ± 2°	
Rotation direction (set over the bus)			Clockwise (CW) / Counterclockwise (CCW)	
Runtime at nominal rotation angle 90°			150 s	
Sound power level (At a positioning of 150 s)		GEB..	<35 dBa	--
		GIB..	<45 dBa	--

GEB..

Mechanical life	
Full cycles	100'000
Partial cycles	5'000'000

GIB..

Mechanical life	
Full cycles	60'000
Partial cycles	5'000'000

Communications		
Communication protocol	Modbus RTU	RS-485, not galvanically isolated
	Number of nodes	Max. 32
	Address range	1...245 / 255
	Factory setting	255
	Transmission formats	1-8-E-1 / 1-8-O-1 / 1-8-N-1 / 1-8-N-2
	Factory setting	1-8-E-1
	Baud rates (kBaud)	Auto / 9.6 / 19.2 / 38.4 / 57.6 / 76.8 / 115.2 kBaud
	Factory setting	Auto
	Bus termination	120 Ω electronically switchable
	Factory setting	Off

Connection cable		
Cable length		0.9 m
Number of cores and cross-section	Power and communication	5 x 0.75 mm ²

Safety class and degree of protection	
Degree of protection	IP54 as per EN 60529 (see "Mounting [► 4]")
Insulation class	III as per EN 60730

Environmental conditions		
Operation		IEC 60721-3-3
	Climatic conditions	Class 3K5
	Mounting location	Interior
	Temperature	-32...55 °C
	Humidity, non-condensing	<95 % r. F.
Transportation		IEC 60721-3-2
	Climatic conditions	Class 2K2
	Temperature	-32...70 °C
	Humidity, non-condensing	<95 % r. F.
Storage		IEC 60721-3-1
	Climatic conditions	Class 1K3
	Temperature	-5...45 °C
	Humidity, non-condensing	<95 % r. F.

Standards and guidelines		G..B161.1E/MO	Legacy types [S55499-D298, S55499-D299]
Product standard		EN60730-x	
Electromagnetic compatibility (field of use)		For residential, commercial, and industrial environments	
EU conformity (CE)	GEB..	A5W00004376 ¹⁾	
	GIB..	A5W00004368 ¹⁾	
UK conformity (UKCA)	GEB..	A5W00198170A ¹⁾	--
	GIB..	A5W00198153A ¹⁾	
RCM conformity	GEB..	A5W00004377 ¹⁾	
	GIB..	A5W00004369 ¹⁾	
EAC Conformity		Eurasian conformity	
UL, cUL Approval		--	UL 873 http://ul.com/database

Environmental compatibility		G..B161.1E/MO	Legacy types [S55499-D298, S55499-D299]
The product environmental declaration ¹⁾ contains data on environmentally compatible product design and assessments (RoHS compliance, materials composition, packaging, environmental benefit, disposal).			
	GEB..	A5W00055607	CE1E4621en
	GIB..	A5W00712474	CE1E4626en
	External Modbus interface		A6V101083254

Dimensions / weight		G..B161.1E/MO	Legacy types [S55499-D298, S55499-D299]
Weight (excluding packaging)	GEB..	1.2 kg	
	GIB..	2.2 kg	
Dimensions W x H x D (Without ext. bus interface) See "Dimensions [► 17]"	GEB..	81 x 192 x 63 mm	
	GIB..	100 x 300 x 67.5 mm	
Applicable damper shafts	Round / square	GEB..	8...20.5 mm / 8...14.5 mm 6.4...20.5 mm / 6.4...13 mm
		GIB..	8.0...25.6 mm / 6.0...18 mm
	Min. length		20 mm

¹⁾ The documents can be downloaded at <http://siemens.com/bt/download>.

Connection diagram

Device diagram/Connecting cable

Air damper actuators with prewire connection and communication cables. All devices connected to it must be connected to the same neutral line G0.

Wire code	Wire color		Terminal code	Meaning		
					G..B161.1E/MO	Legacy types [S55499-D298, S55499-D299]
1	red	RD	G	Voltage - Phase	AC/DC 24 V	AC 24 V
2	Black	BK	G0	Voltage - Neutral	AC/DC 24 V	AC 24 V
6	violet	VT	REF	Reference line (Modbus RTU)		
8	Gray	GY	+	Bus + (Modbus RTU)		
9	pink	PK	-	Bus - (Modbus RTU)		

NOTICE

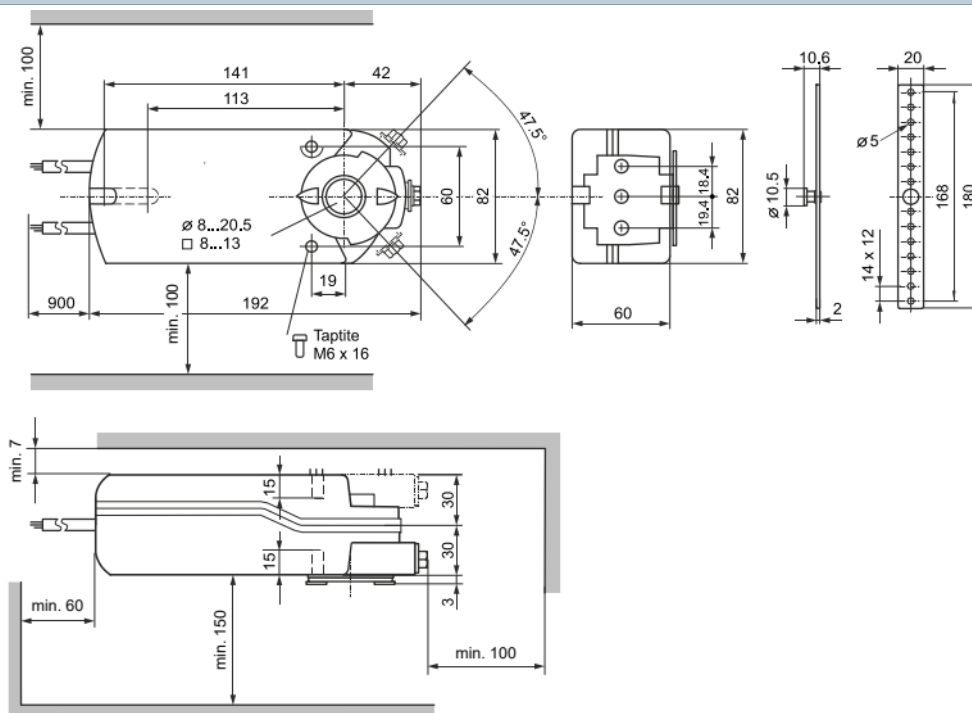


Operating voltage on terminals G and G0 must comply with the requirements for SELV or PELV.

Safety transformers featuring twofold insulation must be used as per EN 61558; they must be designed for 100% duty.

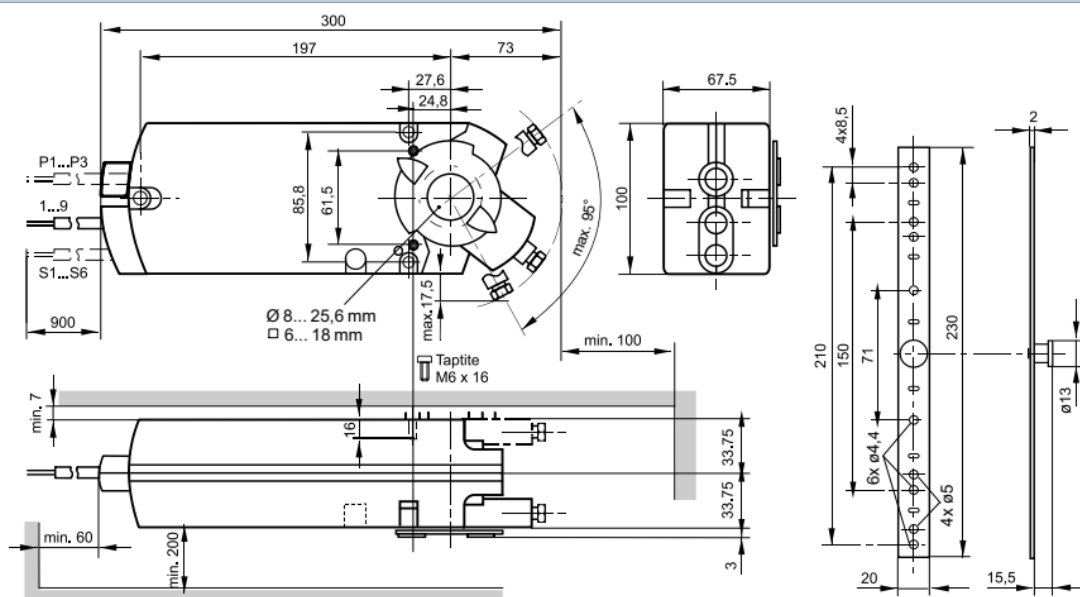
Actuators

GEB161.1E/MO



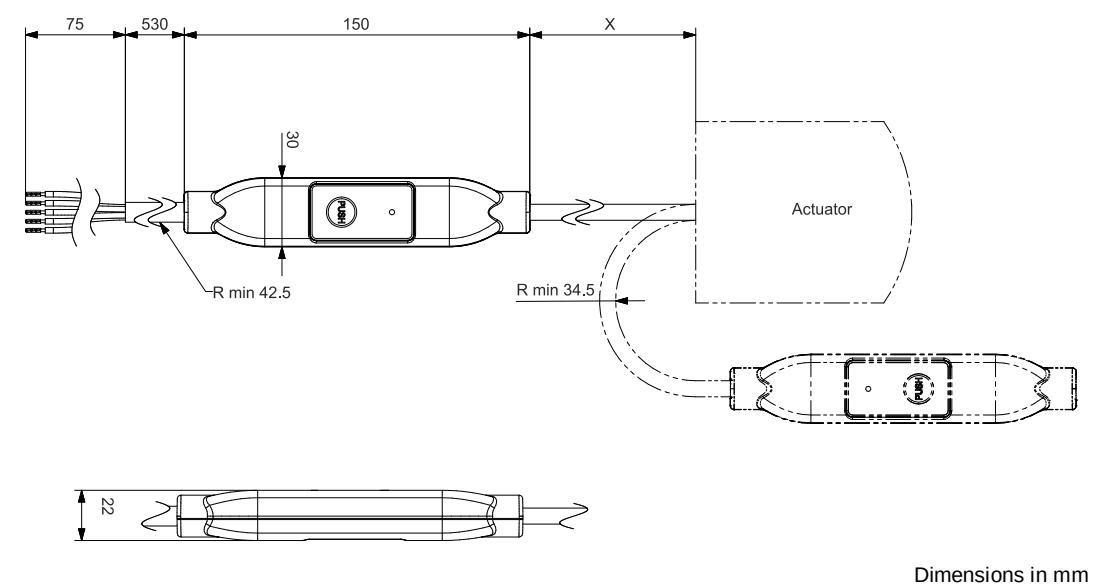
Dimensions in mm

GIB161.1E/MO



Dimensions in mm

External Modbus interface



X [mm]	 [kg]
250	0.15

Revision numbers

Type	Stock number	Valid as of Rev.-NO.
GEB161.1E/MO	S55499-D663	..B
GIB161.1E/MO	S55499-D856	..A
Legacy types		
<i>GEB161.1E/MO</i> ¹⁾	<i>S55499-D298</i>	..C
<i>GIB161.1E/MO</i> ²⁾	<i>S55499-D299</i>	..C

¹⁾ Was available until Sep. 2021

²⁾ As long as stocks last

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