

## Limit Switches - GW...1 Standard Series

Type Approval	GL
Operating and ambient conditions compliant to	DIN IEC 721-3-1..3 and DIN IEC 721-3-6
Degree of protection acc. to DIN 40050 IEC 144	IP 65
Housing material	aluminium die casting
Transport, storage and operating temperature	-25°C up to +55°C
Screw clamp connection	M 4
Terminal cross-section	2x 0.75 ... 2.5 mm <sup>2</sup> solid, flexible multicore with ferrule 2x 0.75..1.5 mm <sup>2</sup>
Operating speed on plunger	max. 0.25 m/s min. 1mm/s AC; min. 20mm/s DC
Mechanical life	1x10.000.000 switching cycles
Operating force on plunger	18N
Insulation group acc. to DIN VDE 110	C
Admissible on-load switching cycles	1200/h
Min. switching current using silver contacts	0.1A
Min. switching voltage using silver contacts	24V
Electrical life	5x 100.000 switching cycles AC 380V/1A DC 220V/0,2A
Max. rated current/ AC	6A
Rated frequency	50...60Hz
Max. rated voltage	AC 380V DC 220V

## Limit Switches - GW...2 Modular Series

Module type approval	--
Operating and ambient conditions compliant to	DIN IEC 721-3-1..3 and DIN IEC 721-3-6
Degree of protection acc. to DIN 40050 IEC 144	IP 65
Housing material	aluminium die casting
Contact base material	PA6.6
Transport, storage and operating temperature	-25°C up to +55°C
Screw clamp connection	Schlegel Modular Contact System
Screwless connection technology	CAGE CLAMP Modular Contact System
Operating speed on plunger	max. 0.25 m/s min 1mm/s AC min 20mm/s DC
Mechanical life	--
Operating force on plunger	18N
Admissible on-load switching cycles	1200/h

The possible combinations of the modular contact elements create a modular assembly system that offers a variant diversity which is unique. For instance, for connection workings the modular contact block can be freely removed from the housing, which makes wiring very easy.

## Limit Switches - PW... Series

Operating and ambient conditions compliant to	DIN IEC 721-3-1..3
Degree of protection acc. to DIN 40050 IEC 144	IP 65
Housing material	PA6
Transport, storage and operating temperature	-25°C up to +55°C
Screw clamp connection	M 4
Terminal cross-section	2x 0.75 ... 2.5 mm <sup>2</sup> solid, flexible multicore with ferrule 2x 0.75..1.5 mm <sup>2</sup>
Operating speed on plunger	max. 0,25 m/s min. 1mm/s AC; min. 20mm/s DC
Mechanical life	1x10.000.000 switching cycles
Operating force on plunger	18N
Insulation group acc. to DIN VDE 110	C
Admissible on-load switching cycles	1200/h
Min. switching current using silver contacts	0.1A
Min. switching voltage using silver contacts	24V
Electrical life	5x 100.000 switching cycles AC 380V/1A DC 220V/0,2A
Max. rated current/ AC	6A
Rated frequency	50...60Hz
Max. rated voltage	AC 380V DC 220V

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	IP65	IP65	IP65
<b>1NC</b> 	<b>GWA1</b>  <b>PWA1</b>		<b>GWA1-H</b>  <b>PWA1-H</b>
<b>1NC + 1NO</b> 	<b>GWU1</b>  <b>PWU1</b>	<b>GWU1-D</b>	<b>GWU1-H</b>  <b>PWU1-H</b>
<b>1 Ö + 1 S (überschneidend)</b> 	<b>GWÜ1</b>	<b>GWÜ1-D</b>	<b>GWÜ1-H</b>
<b>NC + 1NO (overlapping) + 1NC</b> 	<b>GWÜA1</b>		<b>GWÜA1-H</b>
<b>1NC + 1NO (overlapping) + 1NO</b> 	<b>GWÜE1</b>		<b>GWÜE1-H</b>
<b>2NC</b> 	<b>GWA2</b>	<b>GWA2-D</b>	<b>GWA2-H</b>
<b>2NC + 1NO</b> 	<b>GWA2-E1</b>	<b>GWA2-E1-D</b>	<b>GWA2-E1-H</b>
<b>2NC, positive opening contact</b> 	<b>GWA2-Zw</b>		<b>GWA2-H-Zw</b>
<b>2NC + 2NO</b> 	<b>GWU2</b>	<b>GWU2-D</b>	<b>GWU2-H</b>
<b>2NO</b> 	<b>GWE2</b>	<b>GWE2-D</b>	<b>GWE2-H</b>
<b>3NC</b> 	<b>GWA3</b>	<b>GWA3-D</b>	<b>GWA3-H</b>
<b>3NO</b> 	<b>GWE3</b>	<b>GWE3-D</b>	<b>GWE3-H</b>

If you require a cable gland, just add "mKV" to type number (e.g. GWA1mKV).

If you want to have the limit switches with "GL approval", just add "T" in front of type number (e.g. T-GWA1).

			
<p><b>GWA1-R</b> <b>PWA1-R</b></p>	<p><b>GWA1-V</b></p>		
<p><b>GWU1-R</b> <b>PWU1-R</b></p>	<p><b>GWU1-V</b></p>	<p><b>GWU1-F</b></p>	<p><b>GWU1-ZB</b> <b>PWU1-ZB</b></p>
<p><b>GWÜ1-R</b></p>	<p><b>GWÜ1-V</b></p>	<p><b>GWÜ1-F</b></p>	
<p><b>GWÜA1-R</b></p>			
<p><b>GWÜE1-R</b></p>			
<p><b>GWA2-R</b></p>	<p><b>GWA2-V</b></p>	<p><b>GWA2-F</b></p>	
<p></p>	<p><b>GWA2-E1-V</b></p>	<p><b>GWA2-E1-F</b></p>	
<p><b>GWA2-R-Zw</b></p>	<p><b>GWA2-V-Zw</b></p>		
<p><b>GWU2-R</b></p>	<p><b>GWU2-V</b></p>	<p><b>GWU2-F</b></p>	
<p><b>GWE2-R</b></p>	<p><b>GWE2-V</b></p>	<p><b>GWE2-F</b></p>	
<p><b>GWA3-R</b></p>	<p><b>GWA3-V</b></p>	<p><b>GWA3-F</b></p>	
<p><b>GWE3-R</b></p>	<p><b>GWE3-V</b></p>	<p><b>GWE3-F</b></p>	

△ recommended operating travel  
▲ positive opening

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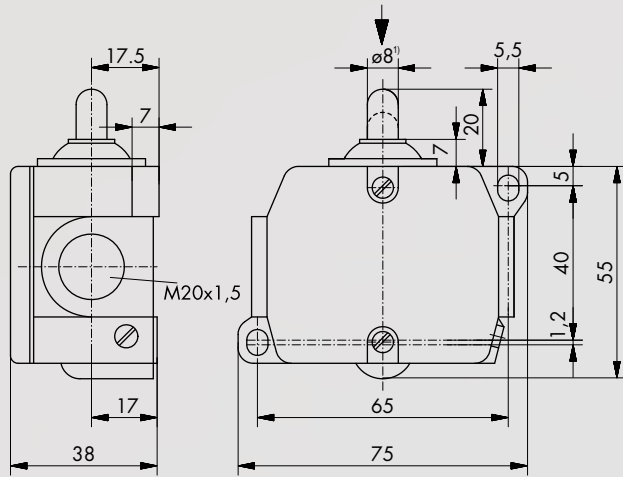
Terminal Blocks

Pedal Switches

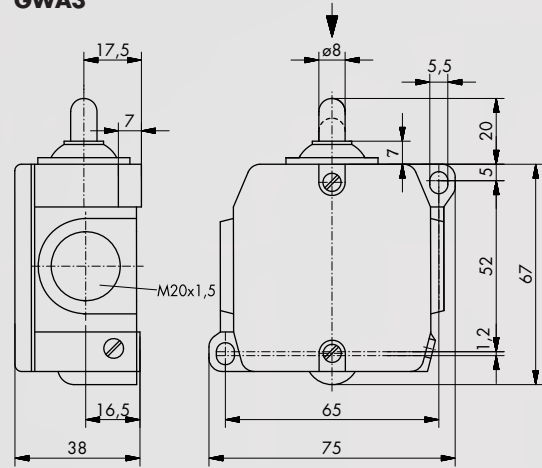
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**GWA1  
GWU1  
PWA1  
PWU1**

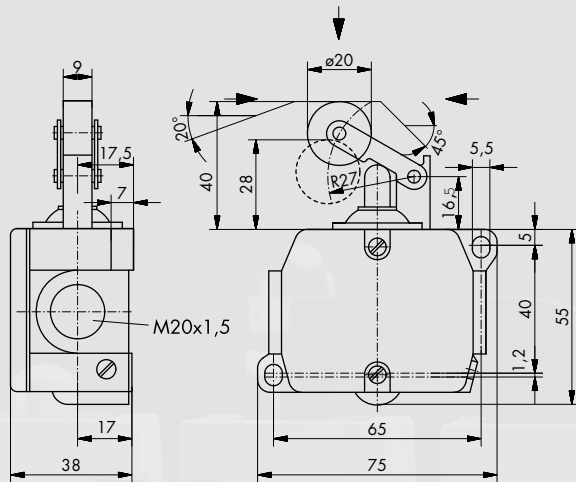


**GWA2  
GWA2-E1  
GWA2-Zw  
GWU2  
GWE2  
GWA3**

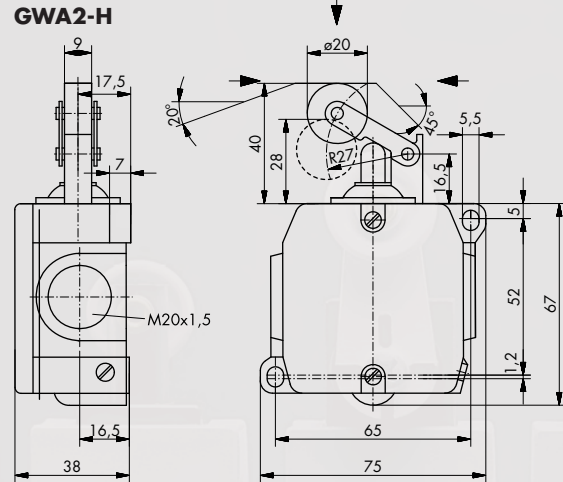


**GWE3  
GWÜ1  
GWÜA1  
GWÜE1**

**GWA1-H  
GWU1-H  
PWA1-H  
PWU1-H**

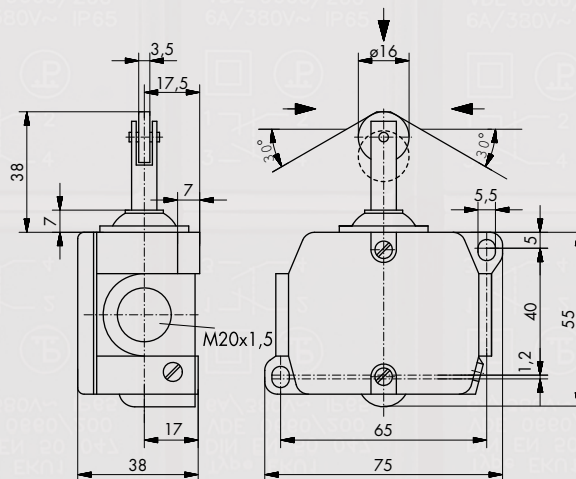


**GWA2-H-Zw  
GWU2-H  
GWE2-H  
GWA3-H  
GWE3-H  
GWA2-H**

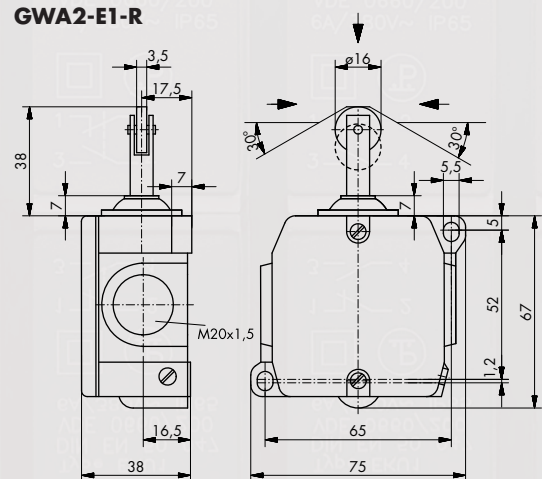


**GWA2-E1-H  
GWÜ1-H  
GWÜA1-H  
GWÜE1-H**

**GWA1-R  
GWU1-R  
PWA1-R  
PWU1-R**

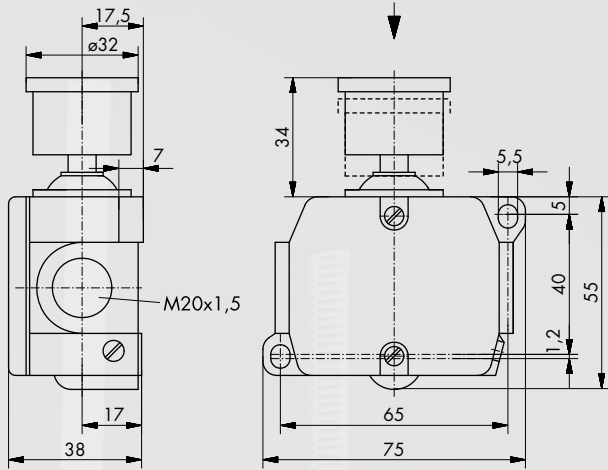


**GWA2-R  
GWU2-R  
GWE2-R  
GWA3-R  
GWE3-R  
GWA2-E1-R**

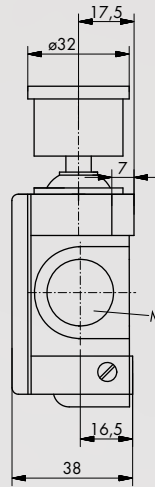


**GWÜ1-R  
GWÜA1-R  
GWÜE1-R  
GWA2-R-Zw**

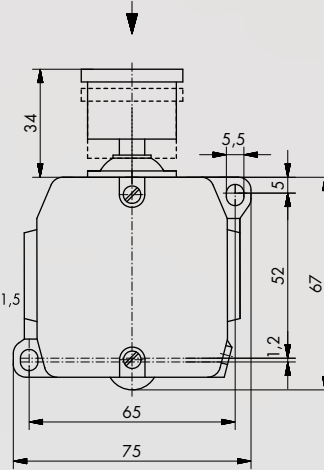
**GWU1-D**



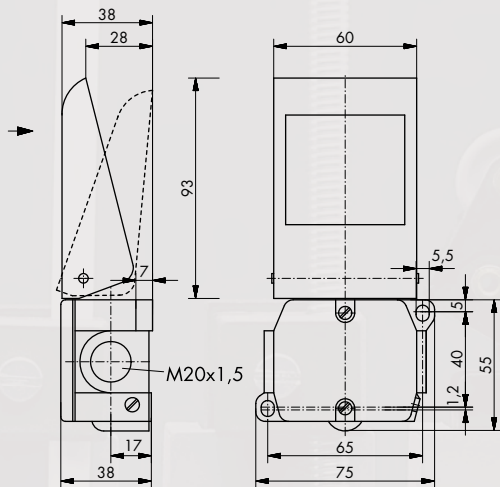
**GWA2-D  
GWU2-D  
GWE2-D  
GWE3-D**



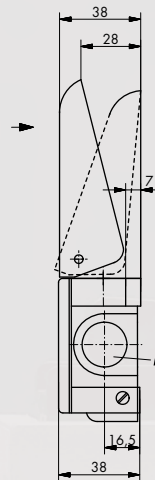
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GWA3-D  
GWA2-E1-D**



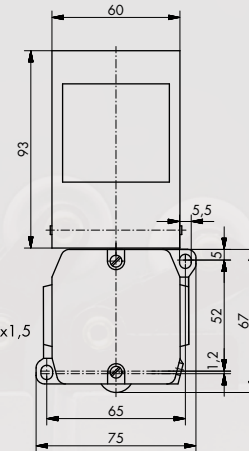
**GWU1-F**



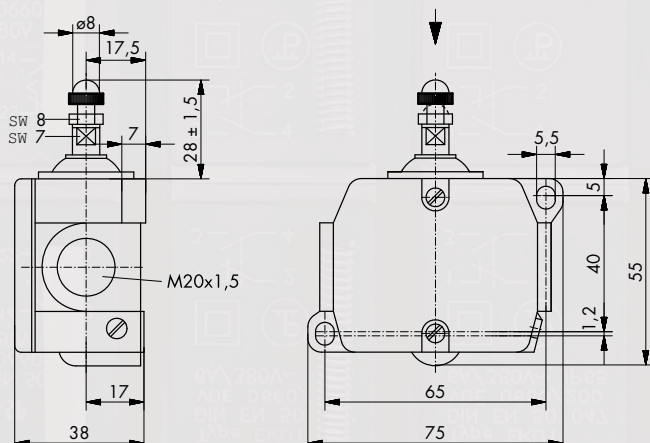
**GWA2-F  
GWU2-F  
GWE2-F  
GWA3-F  
GWE3-F**



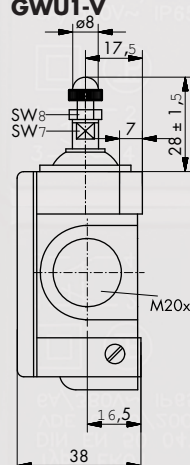
**GWÜ1-F  
GWA2-E1-F**



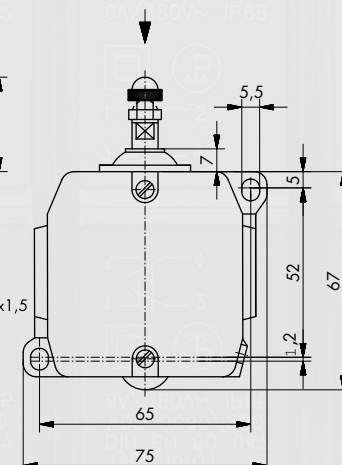
**GWU1-V  
GWA1-V**



**GWA2-V  
GWA2-V-Zw  
GWU2-V  
GWE2-V  
GWE3-V  
GWÜ1-V**



**GWA2-E1-V  
GWA3-V**



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## GWU1-ZB PWU1-ZB

