



Main specifications (continued)

High force 831611		Low force 831614		Very low force 831615		Ultra low force 83161 5 SP 4136		Wide contact gap 831616		Func.	Conn.						
Standard	UL	Standard	UL	Standard	UL	Standard	UL	Standard	UL								
83161102	83161058	83161402	83161431	83161502	●	83161520	●	83161601	●	I	W2						
83161118	83161165	83161401	●	83161501	83161513	83161519	83161573	83161602	83161636	I	W3						
83161110	83161182	83161403	83161407	83161503	83161508	●	83161577	●*	●*	I	W6A5						
●	●	●	●	83161516	83161518	●	83161575	83161619	●	I	W3R5						
83161113	83161055	●	83161408	83161509	83161511	●	●	83161603	●	I	W5						
83161123	●	●	83161429	83161507	●	●	●	●	●	I	W6D8						
83161189	●	83161405	●	●	●	●	●	●*	●*	I	W7A5						
83161059	●	●	●	●	●	●	●	●*	●*	I	2W7A8						
83161117	●	●	●	83161595	●	●	●	83161609	●	R	W2						
83161109	●	●	●	83161528	●	●	●	83161605	●	R	W3						
83161070	●	83161424	●	●	●	●	●	●*	●*	R	W6A5						
●	●	●	●	●	●	●	●	●*	●*	R	Others						
83161104	83161082	●	83161435	●	●	83161589	●	●	●	C	W2						
83161103	83161188	83161404	83161412	●	●	●	●	83161606	●	C	W3						
83161125	83161111	●	●	83161504	●	●	●	●*	●*	C	W6A5						
●	●	●	●	●	●	●	●	●*	●*	C	Others						
Electrical																	
16		10		4		4		12		Nom rating (A)							
20		12		5		5		15		Therm rating (A)							
16(4)		16(4)		10(3)		10(3)		4(1)		4(1)		12(3)		12(3)		ENEC rating (A)	
-		16 - 1/2HP		-		6 - 1/4HP		-		-		6 - 1/3HP		-		UL rating (A)	
Mechanical																	
3		0.5		0.25		0.15		5		OF max (N)							
1		0.1		0.05		0.04		0.5		RF min (N)							
4.5		1.5		0.40		0.2		6		TTF max (N)							
20		20		20		20		20		AOF max (N)							
16.1		16.2		16.3		16.3		16.1		RP max (mm)							
14.7±0.4		14.7±0.4		14.7±0.4		14.7±0.3		14.5±0.4		OP (mm)							
0.35		0.35		0.35		0.35		0.8		DT max (mm)							
1.1		1.1		1.1		1.2		0.9		OT min (mm)							
-60 → +125		-60 → +125		-40 → +125		-40 → +125		-60 → +125		Temp (°C)							
10 ⁷		3 x 10 ⁷		5 x 10 ⁷		5 x 10 ⁷		5 x 10 ⁴		Mech. life (op)							
0.4		0.4		0.4		0.4		3.2		Gap (mm)							
5.6		5.6		5.6		5.6		5.6		Weight (g)							

Product adaptations



- ▶ Special levers: special shapes and lengths, flexible levers, adjustable, pinned,
- ▶ Special connections: angled, with 7mm spacing (RAST 7-W3R7), for PCB, ...
- ▶ High operating temperature: +150 °C
- ▶ Special contacts (for gold plated contacts: see "V3 Dual-current - 83161")
- ▶ Reduced or increased switching hysteresis: max 0.1 mm to max 0.8 mm differential travel
- ▶ Specific operating force easily achievable
- ▶ Telescopic plunger and adjustable fixing by threaded barrel: plastic version (161L accessory) or metal version (SP9603)
- ▶ Housing material complying with IEC 60335-1 for unattended appliances: GWFI 850° C / GWIT 775° C (SP9680)
- ▶ 400 V~ ENEC approved versions