Technical specifications

			5SL3	5SL6	5SL4
Standards			EN 60898-1		
Approvals			See chapter "Appendix"		
Tripping characteristic			B, C		B, C, D
Rated voltage U_n		V AC	230/400		
Operational voltage					
• Min.		V AC/DC per pole	24		
• Max.		V AC V DC/pole	250/440 60[1)]		60[1)2)]
Rated breaking capacity					
• I_{cn} acc. to IEC/EN 60898-1		kA AC	4.5	6	10
• I_{cu} acc. to IEC/EN 60947-2		kA AC	4.5	6	10
Insulation coordination					
• Rated insulation voltage • Pollution degree for overvoltage category		V AC	250/440 2/III		
Rated frequency		Hz	50/60		
Touch protection	Acc. to EN 50274		Yes		
Handle end position, sealable			Yes		
Degree of protection			IP20 with connected conductors, IP40 in the area of the handle with distribution cover	IP40 with connected conductors	IP20 with connected conductors
CFC and silicone-free			Yes		
Conductor cross-sections					
• 1-wire					
- Solid (≤ 10 mm^2) / stranded (≥ 16 mm^2)		mm^2	0.75 ... 35		
- Finely stranded with non-insulated end sleeve		mm^2	0.75 ... 25		
- Finely stranded with insulated end sleeve		mm^2	0.75 ... 25		
- Finely stranded without end sleeve		mm^2	1 ... 35		
• 2-wire, same cross-section					
- Solid (≤ 10 mm^2) / stranded (≥ 16 mm^2)		mm^2	0.75 ... 10		
- Finely stranded with non-insulated end sleeve		mm^2	0.75 ... 4		
- Finely stranded with insulated end sleeve		mm^2	0.75 ... 4		
- Finely stranded without end sleeve		mm^2	1 ... 4		
• 1-wire + busbar (pin thickness 1.5 mm)					
- Solid (≤ 10 mm^2) / stranded (≥ 16 mm^2)		mm^2	10 ... 25		
- Finely stranded with non-insulated end sleeve		mm^2	6 ... 25		
- Finely stranded with insulated end sleeve		mm^2	6 ... 16		
Terminals	± Screw (Pozidriv)		2		
• Terminal tightening torque		Nm	2.5 ... 3		
Mounting position			Any		
Service life, on average, with rated load			20000 actuations		
Storage temperature		°C	-40 ... +75		
Ambient temperature		°C	-25 ... +45, occasionally +55, max. 95 % humidity		-25 ... +55, max. 95 % humidity
Resistance to climate	Acc. to IEC 60068-2-30		6 cycles		

1) The operational voltage 60 V DC/pole takes into account a battery charging voltage with a peak value of 72 V.

2) Exempt: Characteristic C: 0.3 ... 1 A, characteristic D: 0.3 ... 2 A.