

Technical data

		5SY4	5SY5	5SP4
Standards		EN 60898; EN 60947-2; UL 1077; CSA C22.2 No. 235	EN 60898; EN 60947-2	EN 60898; EN 60947-2; UL 1077; CSA C22.2 No. 235
Certifications		CE; cURus, UL File No. E116386	Not UL/CSA Rated	CE; cURus, UL File No. E106582
Tripping characteristic		A, B, C, D	B, C	B, C, D
Number of poles		1, 1+N, 2, 3, 3+N, 4	1, 2	1, 2, 3, 4
Operating voltage		Min. V AC/DC 24		
- EN 60898, EN 60947-2	Max. V DC/pole	60 ¹⁾	220	60 ¹⁾
	Max. V AC	440	440	440
- UL 1077 and CSA C22.2 No. 2352	Max. V AC	480	-	480
	V DC/pole	-	-	60
Interrupting rating				
- I _{cn} to IEC/EN 60898-1	kA AC	10	10	10
- I _{cn} to IEC/EN 60898-2	kA AC	-	10	-
- UL 1077 and CSA C22.2 No. 235	120/240, 240 V: kA AC	14	Not UL Rated	14
AC: Max. RMS Symmetrical	240 V: kA AC	7.5		7.5
	277 V: kA AC	5		5
	480 V: kA AC	5		5
Touch protection to EN 50274-1		Yes		
Degree of protection to EN 60529		IP20, with connected conductors		
CFC and silicone free		Yes		
Mounting				
- Snap-on mounting		Yes		-
- Standard mounting rail and mounting		-		Yes
Device depth		mm	70	
Terminals				
- Tunnel terminals at both ends		-		Yes
- Combined terminals at both ends		Yes		-
- Terminal, solid, stranded or finely stranded with end sleeve	mm ²	0.75 to 25		0.75 to 25
- Terminal tightening torque	lb. in.	22 to 26		22 to 31
	Nm	2.5 to 3		2.5 to 3.5
Conductor cross sections				
- Solid and stranded	mm ²	0.75 to 35		0.75 to 50
- Finely stranded, with end sleeve	mm ²	0.75 to 25		0.75 to 35
	AWG	14 to 4		14 to 2
Calibration Base		°C	30 (EN 60898)	
Average service life, with rated load		Operations	20,000	20,000 (above 40A: 10,000)
Ambient temperature		°C	-25 to 45, occasionally +55, max. 95% humidity	
Storage Temperature		°C	-40 to +75	
Resistance to vibration to IEC 600068-2-6		m/s ²	60 at 10 Hz to 150 Hz	

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