






MPCBs MPX³


technical characteristics (continued)

Terminals

			MPX ³ 32S	MPX ³ 32H / 32 MA	MPX ³ 63H	MPX ³ 100H	
Conformity to standards			IEC60947 UL508, UL508 Type E				
Approvals			CE, UL				
Terminal parts							
Screwdriver							
Single-core	1 conductor	(mm ²) / (AWG)	1...10 / 18...8	1...10 / 18...8	0.75...35 / 18...2	2.5...70 / 12...2/0	
	2 conductor	(mm ²) / (AWG)	1...6 / 18...10	1...6 / 18...10	0.75...25 / 18...4	2.5...50 / 12...1/0	
Standard	1 conductor	(mm ²) / (AWG)	1...6 / 18...10	1...6 / 18...10	0.75...35 / 18...2	2.5...70 / 12...2/0	
	2 conductor	(mm ²) / (AWG)	1...6 / 18...10	1...6 / 18...10	0.75...25 / 18...4	2.5...50 / 12...1/0	
Flexible	1 conductor	(mm ²) / (AWG)	1...6 / 18...10	1...6 / 18...10	0.75...25 / 18...4	2.5...50 / 12...1/0	
	2 conductor	(mm ²) / (AWG)	0.75...4 / 18...10	0.75...4 / 18...10	0.75...16 / 18...6	2.5...35 / 10...2	
Tightening torque			(Nm) / (lb-in)	0.8...2.5 / 7...22	0.8...2.5 / 7...22	3...4.5 / 26...39	4...6 / 35...53

Auxiliaries

			Auxiliary contacts for front mounting		Auxiliary contacts for left side mounting		Alarm switch for left side mounting	
Rated thermal current / I _{th} at 40 °C ambient temperature			(A)		10		10	
at 60 °C ambient temperature			(A)		6		6	
Contact class coordination according to NEMA (UL/CSA-Standards)			AC		A600		A600	
			DC		Q300		Q300	
Back-up fuses gG, gL			(A)		16		16	
Rated supply current								
			AC-15 (V)		-	240	24	240
			(A)		-	3	6	4
			DC-13 (V)		24	220	24	220
			(A)		1	0.1	2	0.25
Weight (g)			18		30		40	
Terminal parts								
Screwdriver			Pozidriv size 2					
Single-core	1 conductor	(mm ²) / (AWG)	0.5...2.5 / 20...14		0.5...2.5 / 20...14		0.5...2.5 / 20...14	
	2 conductor	(mm ²) / (AWG)	-		0.5...2.5 / 20...14		0.5...2.5 / 20...14	
Standard	1 conductor	(mm ²) / (AWG)	0.5...4 / 20...10		0.5...4 / 20...10		0.5...4 / 20...10	
	2 conductor	(mm ²) / (AWG)	0.75...2.5 / 18...14		0.75...2.5 / 18...14		0.75...2.5 / 18...14	
Tightening torque			(Nm) / (lb-in)		0.8...1.2 / 7...10		0.8...1.2 / 7...10	

			Undervoltage release for right side mounting	Undervoltage release with 2 auxiliary contacts for right side mounting	Shunt release for right side mounting
Actuating voltage			Pull-in	0.7...1.1 x U _s	0.85...1.1 x U _s
			Drop-out	0.7...0.35 x U _s	0.7...0.35 x U _s
Rated control voltage			min:	24 V 50 Hz / 28 V 60 Hz	24 V 50 Hz / 28 V 60 Hz
			max:	415-440 V 50 Hz / 460-480 V 60 Hz	415-440 V 50 Hz / 460-480 V 60 Hz
Coil rating			Pull-in	8.5 VA, 6 W	8.5 VA, 6 W
			Hold	3 VA, 12 W	3 VA, 12 W
Opening time (ms)			-		
Weight (g)			18		
Terminal parts					
Screwdriver			Pozidriv size 2		
Single-core	1 conductor	(mm ²) / (AWG)	0.5...2.5 / 20...14		
	2 conductor	(mm ²) / (AWG)	0.5...2.5 / 20...14		
Standard	1 conductor	(mm ²) / (AWG)	0.5...4 / 20...10		
	2 conductor	(mm ²) / (AWG)	0.75...2.5 / 18...14		
Tightening torque			(Nm) / (lb-in)		
			0.8...1.2 / 7...10		