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1．はじめに

PQ50W および PQ50WA の一部については、UL,cUL 認証取得時に認証機関からの指示により、各製品ごとのモデル構成、各ピンに流す定格電流、温度上昇試験条件など、指定の条件・組み合わせ毎に行い、認証を受けている。

すべての条件を各製品の荷姿に貼付する UL ラベルに記載する事は不可能な為、本指定書に UL 認証レポートの該当項目を転記する。

2．対象製品

製品コード	製品名
236-2021-8-00	PQ50WS-25P-UNIT
236-2022-0-00	PQ50WS-25S-UNIT
236-2085-0-00	PQ50WA/S-10S/34S-UNIT
236-2087-0-00	PQ50WA/S-10P/34P-UNIT
236-2086-0-00	PQ50WASX-46S-UNIT
236-2086-0-10	PQ50WASX-46S-UNIT(10)

3．認証時のモデル構成、定格電流・電圧、温度上昇試験条件

3－1．PQ50W シリーズ

プラグ側モデル構成

Connector Cat. Nos.	圧着ハウジング	圧着端子	プラグカバーケース	クランプ
PQ50W-50-PC-1	PQ50WS-25P-UNIT	PQ50S-1618PC** PQ50S-1822PC** PQ50S-2428PC** PQ50SA-1618PC** PQ50SA-1822PC** PQ50SA-2428PC**	PQ50W-50-PC	PQW-CM(15.0) PQW-CM(17.5)
PQ50W-50-PC-2	PQ50WS-25S-UNIT	PQ50S-1618SC** PQ50S-1822SC** PQ50S-2428SC**	PQ50W-50-PC	PQW-CM(15.0) PQW-CM(17.5)

レセプタクル側モデル構成

Connector Cat. Nos.	圧着ハウジング	圧着端子	パネルシェル
PQ50W-50-FL-1	PQ50WS-25P-UNIT	PQ50S-1618PC** PQ50S-1822PC** PQ50S-2428PC** PQ50SA-1618PC** PQ50SA-1822PC** PQ50SA-2428PC**	PQ50W-50-FL
PQ50W-50-FL-2	PQ50WS-25S-UNIT	PQ50S-1618SC** PQ50S-1822SC** PQ50S-2428SC**	PQ50W-50-FL

定格

Connector, Cat. Nos.	Contact, Part No.	Conductor Sizes, AWG, Str	Ampere (A)	Voltage (Vac/Vdc)
(Plug) PQ50W-50-PC-1 (Receptacle) PQ50W-50-FL-1	PQ50S-1618PC(#)A PQ50SA-1618PC(#)A	16, 18	5	300
	PQ50S-1822PC(#)A PQ50SA-1822PC(#)A	18	5	
		20	4	
		22	3	
	PQ50S-2428PC(#)A PQ50SA-2428PC(#)A	24	2.5	
		26	2	
		28	1.5	
(Plug) PQ50W-50-PC-2 (Receptacle) PQ50W-50-FL-2	PQ50S-1618SC(#)A	16, 18	5	300
	PQ50S-1822SC(#)A	18	5	
		20	4	
		22	3	
	PQ50S-2428SC(#)A	24	2.5	
		26	2	
		28	1.5	
Note: (#) represents F or None, indicating packaging differences.				

試験条件

Connector, Cat Nos.	Contact, Part No.	Wire Size	Current (A)	Maximum Temperature(°C)	
				Rise	Recorded Temperature
(Plug) PQ50W-50-PC-1 with (Receptacle) PQ50W-50-FL-2	(Plug) PQ50S-1618PCA with (Receptacle) PQ50S-1618SCA	18	5	28.3	53.3
	(Plug) PQ50S-1822PCA with (Receptacle) PQ50S-1822SCA	18	5	29.2	54.2
		20	4	29.6	54.6
		22	3	20.1	45.1
	(Plug) PQ50S-2428PCA with (Receptacle) PQ50S-2428SCA	24	2.5	29.9	54.9
		26	2	29.9	54.9
		28	1.5	28.5	53.5

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３－２．PQ50WA シリーズ

プラグ側モデル構成

Connector Cat. Nos.	圧着ハウジング	圧着端子	プラグカバーケース	ガスケットクランプ& エンドベルキャップ
PQ50WA-2U-PC2-1A, PQ50WA-2U-PC2-2A	PQ50WA/S-10S/34S-UNIT PQ50WASX-46S-UNIT	PQ50-1618SCFA PQ50S-1822SCFA PQ50S-2428SCFA	PQ50WA-2U-PC2 (for Cat. Nos.PQ50WA-2U-PC2-1A) PQ50WA-2UA–PC2 (for Cat. Nos. PQ50WA-2U-PC2-2A)	PQWT-CMA(15.0) PQWT-CMA(17.5) PQWT-CMA(22.5) PQWT-CMA(28.5) PQWT-EBC(PG29)
PQ50W-50-PC-2	PQ50WS-25S-UNIT	PQ50S-1618SC** PQ50S-1822SC** PQ50S-2428SC**	PQ50W-50-PC	PQW-CM(15.0) PQW-CM(17.5)

レセプタクル側モデル構成

Connector Cat. Nos.	圧着ハウジング	圧着端子	プラグカバーケース
PQ50WA-2U-FL-1A, PQ50WA-2U-FL-2A	PQ50WA/S-10S/34S-UNIT PQ50WASX-46S-UNIT	PQ50A-1618PCFA PQ50A-2022PCFA PQ50SA-1822PCFA PQ50SA-2428PCFA	PQ50WA-2U-FL for Cat. No. PQ50WA-2U-FL-1A PQ50WA-2UA-FL for Cat. No. PQ50WA-2U-FL-2A

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定格

Modular Type Connector, Cat. Nos.	Location ID	Connector Part No.	Terminal ID (#1)	Voltage (Vac/dc)	Max. Ampere (A)	Conductor Sizes, AWG, Str	Contact Type, Part No.
(Plug) PQ50WA-2U-PC2-1A	B	PQ50WA/S-10S/34S-UNIT	A1, A2, A4, A5, B1, B5	600	11.2	17	PQ50-1618SCFA
			B3	600	2.6	17	
			A3	600	1.2	17	
			B2, B4	600	N/A (Ground)	17	
			C6, C7, D6	600	11.2	17	PQ50S-1822SCFA
			C1, D1, D2 E7, F6, F7	600	8.5	17	
			C3, C4, D4 E2, F1, F2 G1, G2, G3	600	2.6	17	
			C5, D5, E3 F3 ,F5 G5 ,G6	600	1.2	17	
			C2 D3 ,D7 E1, G4	600	N/A (Ground)	17	
	A	PQ50WTSX-46S-UNIT	b1 to b6 c1 to c6 d1 to d6 e1 to e6 f1 to f6 g1 to g6	600	1.2	23	PQ50S-2428SCFA
(Receptacle) PQ50WA-2U-FL-1A	B	PQ50WA/S-10S/34P-UNIT	A1, A2, A4, A5 B1, B5	600	11.2	18	PQ50A-1618PCFA
			B2, B4	600	N/A (Ground)		
			B3	600	2.6	20	PQ50A-2022PCFA
			A3	600	1.2	20	
			C6, C7, D6	600	11.2	16	PQ50SA-1822PCFA
			C1 D1, D2 E7 F6, F7	600	8.5	16	
			C2, D7	600	N/A (Ground)	16	
			C5 F2,F4 G6	600	1.2	20	
			C3, C4, D4 E2, F1,F2 G1,G2,G3	600	2.6	23	PQ50SA-2428PCFA
			D5, E3, G5	600	1.2	23	
			D3 E1, G4	600	N/A (Ground)	23	
	A	PQ50WTSX-46P-UNIT	b1 to b4 c1 to c3	600	1.2	23	PQ50SA-2428PCFA
			b5, b6 C4,c5, c6 d1 to d6 e1 to e6 f1 to f6 g1 to g6	600	1.2	25	

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定格

Modular Type Connector, Cat. Nos.	Location ID	Connector Part No.	Terminal ID (#1)	Voltage (Vac/dc)	Ampere (Amax)	Conductor Sizes, AWG, Str	Contact Type
(Plug) PQ50WA-2U-PC2-2A	B	PQ50WA/S-10S/34S-UNIT	A4, A5, B5	600	11.2	17	PQ50-1618SCFA
			A1, A2, B1	600	8.5	17	
			B3	600	2.6	17	
			A3	600	1.2	17	
			B2, B4	600	N/A (Ground)	17	
			C1, D1, D2	600	8.5	17	PQ50S-1822SCFA
			C6,C7,D6 E4,E5,E7 F4,F6,F7	600	7.5	17	
			C3, C4, D4 E2, F1, F2 G1, G2, G3	600	2.6	17	
			C5, D5, E3 F3, G5,G6	600	1.2	17	
			D3, E1,E6	600	N/A (Ground)	17	
	A	PQ50WA/S-10S/34S-UNIT	b1 to b6 c1 to c6 d1 to d6 e1 to e6 f1 to f6 g1 to g6	600	1.2	23	PQ50S-2428SCFA
(Receptacle) PQ50WA-2U-FL-2A	B	PQ50WA/S-10S/34P-UNIT	A1, A2, A4, A5 B1, B5	600	11.2	16	PQ50A-1618PCFA
			B2, B4	600	N/A (Ground)		
			B3	600	2.6	20	PQ50A-2022PCFA
			A3	600	1.2	20	
			C1, D1,D2	600	8.5	16	PQ50SA-1822PCFA
			C6,C7 D6 E4,E5,E7 F4,F6,F7	600	7.5	16	
			E6	600	N/A (Ground)	16	
			C3,C4 D4 E2,F1,F2 G1,G2,G3	600	2.6	20	
			C5, F3, G6	600	1.2	20	
			D3 E1, G4	600	N/A (Ground)	20	
			D5, E3, G5	600	1.2	23	PQ50SA-2428PCFA
	A	PQ50WTSX-46P-UNIT	b1 to b4 c1 to c3	600	1.2	23	PQ50SA-2428PCFA
			b5, b6 c4,c5,c6 d1 to d6 e1 to e6 f1 to f6 g1 to g6	600	1.2	25	

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試験条件

Modular Type Connector, Cat. Nos.	Location ID	Connector Part No.	Current, A	Maximum Temperature °C	
				Rise	Recorded Temperature
(Plug) PQ50WA-2U-PC2-1A mated with (Receptacle) PQ50WA-2U-FL-1A	B	PQ50WA/S-10S/34(x)-UNIT	11.2	(Plug): 26.8 (Rece): 28.8	(Plug): 51.8 (Rece): 53.8
			8.5		
			2.6		
			1.2		
	A	PQ50WA/S-10S/34(x)-UNIT	1.2	(Plug): 12.3 (Rece): 12.3	(Plug): 37.3 (Rece): 37.3
(Plug) PQ50WA-2U-PC2-2A mated with (Receptacle) PQ50WA-2U-FL-2A	B	PQ50WA/S-10S/34(x)-UNIT	11.2	(Plug): 19.9 (Rece): 22.8	(Plug): 44.9 (Rece): 47.8
			8.5		
			7.5		
			2.6		
			1.2		
	A	PQ50WA/S-10S/34(x)-UNIT	1.2	(Plug): 13.1 (Rece): 13.3	(Plug): 38.1 (Rece): 38.3
Note: (x) represents “S” or “P”					

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