
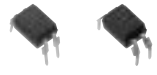
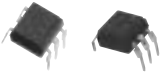




■ Phototriac Coupler Lineup

Package	Applied voltage	ON-state current (rms)	Features	Model No.	Page	
Mini-flat (SMD) 	AC 200 V lines (V _{DRM} = 600V)	0.05 A	General purpose	S2S3A00F* ³ / S2S5A00F* ³ / S2S5FA0F* ³	28	
			Built-in zero-cross circuit	S2S4A00F* ³	29	
DIP type (4-pin) 	AC 200 V lines (V _{DRM} = 600V)	0.1 A	General purpose	PC3ST11NSZKF	28	
			Reinforced isolation	PC3SH11YFZAF* ³ / PC3SH13YFZAF* ³	28	
			Built-in zero-cross circuit	PC3SH21YFZBX* ²	29	
DIP type (6-pin package, 5th-pin cut) 	AC 100 V lines (V _{DRM} = 400V)	0.1 A	General purpose	PC2SD11NTZAF▲* ³	28	
			AC 200 V lines (V _{DRM} = 600V)	0.1 A	General purpose	PC3SD12NTZAF* ³ / PC3SD11YTZCF* ¹ / PC3SD11NTZCF* ¹ / PC3SD13YXZBF* ²
	Reinforced isolation	0.1 A			Built-in zero-cross circuit	PC3SD21NTZAF* ³ / PC3SD21NTZBF* ² / PC3SD21NTZDF* ⁴
			Reinforced isolation	0.1 A	Built-in zero-cross circuit	PC3SF11YVZAF* ³ / PC3SF11YVZBF* ²
	AC 200 V lines (V _{DRM} = 800V)	0.1 A			General purpose	Built-in zero-cross circuit
			Reinforced isolation	0.1 A		General purpose
	Reinforced isolation	0.1 A			Built-in zero-cross circuit	PC4SD21NTZCF* ¹ / PC4SD21NTZDF* ⁴
			Reinforced isolation	0.1 A	General purpose	Built-in zero-cross circuit
Built-in zero-cross circuit	PC4SF21YVZBF* ² / PC4SF21YWPSF* ²	29				

Minimum trigger current: *1 I_{FT} ≤ 5 mA, *2 I_{FT} ≤ 7 mA, *3 I_{FT} ≤ 10 mA, *4 I_{FT} ≤ 3 mA
 The model marked with ▲ may not be available in the near future. Contact with SHARP for details before use.



Phototriac Couplers

○: Approved

(Ta = 25°C)

Model No.	Internal connection diagram	Features	Approved by safety standards ^{*4}			Package	Absolute maximum ratings			Electro-optical characteristics
			UL, CSA	VDE	Others		ON-state current I _T (rms) (A)	Repetitive peak OFF-state voltage V _{DRM} (V)	Isolation voltage (AC) V _{iso} (rms) (kV)	
S2S3A00F		200 V lines, compact	○	○*6	—	Mini-flat 4-pin	0.05	600	3.75	10
S2S5A00F		200 V lines, compact	○	○*6	—					10
S2S5FA0F		High impulse noise product	○	○*6	—					10
PC3ST11NSZKF		200 V lines, compact	○	○*6	—	4-pin DIP	0.1	5.0	5.0	10
PC3SH11YFZAF		200 V lines, compact, reinforced isolation	○	○	○*2					10
PC3SH13YFZAF		200 V lines, compact, reinforced isolation, high noise resistance	○	○	○*2					10
PC2SD11NTZAF▲		100 V lines	○	—	—	6-pin DIP*1, 3	0.1	5.0	5.0	10
PC3SD12NTZAF		200 V lines	○	○*6	—					10
PC3SD13YXZBF		High impulse noise product	○	○*6	—					7
PC3SD11YTZCF		200 V lines	○	○*6	—					5
PC3SD11NTZCF		200 V lines	○	○*6	—					5
PC4SD11NTZCF		200 V lines, repetitive peak-OFF-state voltage	○	○*6	—					5
PC3SF11YVZAF		200 V lines, reinforced isolation	○	○	○*2					10
PC3SF11YVZBF		200 V lines, reinforced isolation	○	○	○*2					7
PC4SF11YTZBF		200 V lines, reinforced isolation, repetitive peak-OFF-state voltage	○	○	○*2					7

For the notes *1 to *6, see next page.

The model marked with ▲ may not be available in the near future. Contact with SHARP for details before use.

Notice

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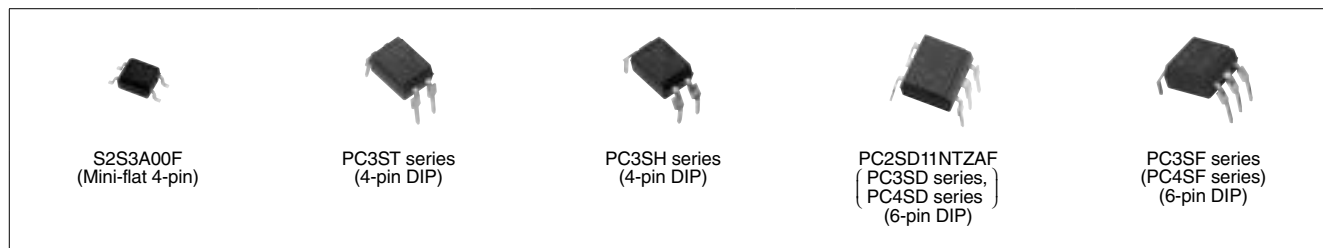
Phototriac Couplers (Built-in zero-cross circuit type)

○: Approved

(Ta = 25°C)

Model No.	Internal connection diagram	Features	Approved by safety standards*4			Package	Absolute maximum ratings			Electro-optical characteristics
			UL, CSA	VDE	Others		ON-state current I _T (rms) (A)	Repetitive peak OFF-state V _{DRM} (V)	Isolation voltage (AC) V _{iso} (rms) (kV)	
S2S4A00F		200 V lines, compact	○	○*6	-	Mini-flat 4-pin	0.05	600	3.75	10*5
PC3SH21YFZBX		200 V lines, compact, reinforced isolation	○	○	○*2	4-pin DIP	0.1	600	5.0	7
PC3SD21NTZAF		200 V lines, low zero-cross voltage: MAX. 20 V	○	○*6	-	6-pin DIP*1,3	0.1	600	5.0	10
PC3SD21NTZBF		200 V lines, low zero-cross voltage: MAX. 20 V	○	○*6	-					7
PC3SD21NTZDF		200 V lines, low zero-cross voltage: MAX. 20 V	○	○*6	-					3
PC4SD21NTZCF		200 V lines, repetitive peak-OFF-state voltage	○	○*6	-					5
PC4SD21NTZDF		200 V lines, repetitive peak-OFF-state voltage	○	○*6	-					3
PC3SF21YVZAF		200 V lines, reinforced isolation	○	○	○*2					10
PC3SF21YVZBF		200 V lines, reinforced isolation	○	○	○*2	7				
PC4SF21YVZBF		200 V lines, reinforced isolation, repetitive peak-OFF-state voltage	○	○	○*2	7				
PC4SF21YWPSF		High impulse noise product	○	○	○*2	6-pin DIP*3	800		7	

*1 Lead forming type for surface mounting is also available.
 *2 In conformance with BSI, SEMKO, DEMKO, and FIMKO
 *3 These are molded pin No. 5.
 *4 Please refer to Specification Sheets for model numbers approved by safety standards.
 *5 V_D = 6 V, R_L = 100Ω
 *6 Optionally available



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