RoHS

■Phototriac Coupler Lineup

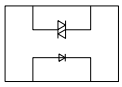
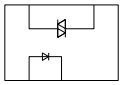
Package	Applied voltage	ON-state current (rms)	Features		Model No.	Page
Mini-flat (SMD)	AC 200 V lines (V_{DRM} = 600V)	0.05 A	General purpose		S2S3A00F*3 / S2S5A00F*3 / S2S5FA0F*3	18
				Built-in zero-cross circuit	S2S4A00F*3	19
DIP type	AC 200 V lines (V_{DRM} = 600V)	0.1 A				
(4-pin)			Reinforced isolation		PC3SH11YFZAH*3 / PC3SH13YFZAH*3	18
				Built-in zero-cross circuit	PC3SH21YFZBH*2	19
DIP type	AC 200 V lines (V_{DRM} = 600V)	0.1 A	General purpose		PC3SD12NTZAH*3 / PC3SD11NTZBH*2 / PC3SD11NTZCH*1	18
(6-pin package, 5th-pin cut)				Built-in zero-cross circuit	PC3SD21NTZAH*3 / PC3SD21NTZBH*2 / PC3SD21NTZDH*4	19
			Reinforced isolation		PC3SF11YVZAH*3 / PC3SF11YVZBH*2	18
				Built-in zero-cross circuit	PC3SF21YVZAH*3 / PC3SF21YVZBH*2	19
	AC 200 V lines (V_{DRM} = 800V)	0.1 A	General purpose		PC4SD11NTZCH*1	18
				Built-in zero-cross circuit	PC4SD21NTZCH*1 / PC4SD21NTZDH*4	19
			Reinforced isolation		PC4SF11YTZBH*2	18
				Built-in zero-cross circuit	PC4SF21YVZBH*2 / PC4SF21YWPSH*2	19

Minimum trigger current: *1 $I_{FT} \leqq$ 5 mA, *2 $I_{FT} \leqq$ 7 mA, *3 $I_{FT} \leqq$ 10 mA, *4 $I_{FT} \leqq$ 3 mA

■Phototriac Couplers

○: Approved

(Ta = 25°C)

Model No.	Internal connection diagram	Features	Approved by safety standards*3			Package	Absolute maximum ratings			Electro-optical characteristics
			UL, CSA	VDE	BSI, SEMKO, DEMKO, FIMKO		ON-state current IT (rms) (A)	Repetitive peak OFF-state voltage VDRM (V)	Isolation voltage (AC) Viso (rms) (kV)	Min. trigger current IFT (mA) MAX. VD = 6 V, RL = 100Ω
S2S3A00F		200 V lines, compact	○	–	–	Mini-flat 4-pin	0.05	600	3.75	10
S2S5A00F		200 V lines, compact	○	–	–					10
S2S5FA0F		High impulse noise product	○	–	–					10
PC3SH11YFZAH		200 V lines, compact, reinforced isolation	○	○	○	4-pin DIP	0.1		5.0	10
PC3SH13YFZAH		200 V lines, compact, reinforced isolation, high noise resistance	○	○	○					10
PC3SD12NTZAH		200 V lines	○	○*4	–	6-pin DIP*2	0.1	600	5.0	10
PC3SD11NTZBH			○	–	–					7
PC3SD11NTZCH			○	○*4	–	6-pin DIP*1, *2				5
PC4SD11NTZCH		200 V lines, repetitive peak-OFF-state voltage	○	–	–			800		5
PC3SF11YVZAH		200 V lines, reinforced isolation	○	○	○	6-pin DIP*2		600		10
PC3SF11YVZBH		200 V lines, reinforced isolation	○	○	○	6-pin DIP*1, *2				7
PC4SF11YTZBH		200 V lines, reinforced isolation, repetitive peak-OFF-state voltage	○	○	○	6-pin DIP*2		800		7

*1 Lead forming type is also available for surface mounting.
*2 These are 5th-pin cut type.
*3 Please refer to Specification Sheets for model numbers approved by safety standards.
*4 Optionally available.