

**UL508,CSA C22.2 No14への適合について**  
**According to UL508 standard and CSA C22.2 No.14 standard**

Note>Models F01P\*\*\*S05, F02P\*\*\*S05 and F03P\*\*\*S05 may be followed by slash and any numbers from 01 through 99 or blank.

**Power Circuit and Motor-mounted Apparatus - Component**  
**UL FILE No.E243511**

Series	Model	Requirements Evaluated to (US and/or CN)
F01P	F01P *** S05	USR
F02P	F02P *** S05	USR
F03P	F03P *** S05	USR
L07P	L07P *** D15 L07P *** S05	USR, CNR
L18P	L18P***D15 L18P***D15C L18P***D15-OP L18P***S05 L18P***S05R L18P***S12 SL18P***D15	USR, CNR
L31S	L31S***S05S	USR, CNR
L34S	L34S***D15	USR, CNR
S21S	S21S180D15JN	USR, CNR
S22P	S22P***S05 S22P***S05M2	USR, CNR
S23P	S23P50/100D15 S23P50/100D15M1 S23P50/100D15M2	USR, CNR
S25P	S25P***D15*	USR, CNR
S26P	S26P200D15Y	USR, CNR
S27S	S27S300D15Y S27S300D15YM	USR, CNR
S28S	S28S500D24Z S28S500D24ZM	USR

Note: US indicates United States Standard.  
 CN indicates Canadian National Standard.

**Ratings - Environmental**

Series	Model	Environmental	
		Maximum Surrounding Air Temperature/rating	Pollution Degree
F01P	F01P *** S05	105°C.	2
F02P	F02P *** S05	105°C.	2
F03P	F03P *** S05	105°C.	2
L07P	L07P *** D15 L07P *** S05	80°C.	2
L18P	L18P *** D15 L18P *** D15C L18P *** D15-OP L18P *** S05 L18P *** S05R L18P *** S12 SL18P *** D15	80°C.	2
L31S	L31S *** S05S	85°C.	2
L34S	L34S *** D15	80°C.	2
S21S	S21S180D15JN	80°C.	2
S22P	S22P *** S05 S22P *** S05M2	85°C.	2
S23P	S23P50/100D15 S23P50/100D15M1 S23P50/100D15M2	85°C.	2
S25P	S25P *** D15 *	85°C.	2
S26P	S26P200D15Y	85°C.	2
S27S	S27S300D15Y S27S300D15YM	85°C.	2
S28S	S28S500D24Z S28S500D24ZM	70°C.	2

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Ratings - Electrical

Series	Model	Primary (Feed-through)		Secondary(Sensing)			
				Input	Output		
F01P	F01P006S05	6 A	600 Vrms	5 Vdc, 25 mA	2.5±2.2 Vdc, ±0.5 mA		
	F01P015S05	15 A	600 Vrms	5 Vdc, 30 mA			
	F01P025S05	25 A	600 Vrms	5 Vdc, 35 mA			
	F01P050S05	50 A	600 Vrms	5 Vdc, 55 mA			
F02P	F02P006S05	6 A	600 Vrms	5 Vdc, 25 mA	2.5±2.2 Vdc, ±0.5 mA		
	F02P015S05	15 A	600 Vrms	5 Vdc, 30 mA			
	F02P025S05	25 A	600 Vrms	5 Vdc, 35 mA			
	F02P050S05	50 A	600 Vrms	5 Vdc, 55 mA			
F03P	F03P006S05	6 A	600 Vrms	5 Vdc, 25 mA	2.5±2.2 Vdc, ±0.5 mA		
	F03P015S05	15 A	600 Vrms	5 Vdc, 30 mA			
	F03P025S05	25 A	600 Vrms	5 Vdc, 35 mA			
	F03P050S05	50 A	600 Vrms	5 Vdc, 55 mA			
L07P	L07P003D15	3 A	600 Vrms	±15 Vdc, ±30 mA	0 - 4 Vdc, 0.4 mA		
	L07P005D15	5 A	600 Vrms				
	L07P010D15	10 A	600 Vrms				
	L07P015D15	15 A	600 Vrms				
	L07P020D15	20 A	600 Vrms				
	L07P025D15	25 A	600 Vrms				
	L07P030D15	30 A	600 Vrms				
	L07P003S05	3 A	600 Vrms			5 Vdc, 30 mA	0 - 3.75 Vdc, 0.4 mA
	L07P005S05	5 A	600 Vrms				
	L07P010S05	10 A	600 Vrms				
L07P015S05	15 A	600 Vrms					
L07P020S05	20 A	600 Vrms					
L07P025S05	25 A	600 Vrms					
L07P030S05	30 A	600 Vrms					
L18P	L18P003D15	3 A	600 Vrms	±15 Vdc, ±15 mA	0 - 4 Vdc, 0.4 mA		
	L18P005D15	5 A	600 Vrms				
	L18P010D15	10 A	600 Vrms				
	L18P015D15	15 A	600 Vrms				
	L18P020D15	20 A	600 Vrms				
	L18P025D15	25 A	600 Vrms				
	L18P030D15	30 A	600 Vrms				
	L18P040D15	40 A	600 Vrms				
	L18P050D15	50 A	600 Vrms				
	L18P060D15	60 A	600 Vrms				
L18P	L18P003D15C	3 A	600 Vrms	±15 Vdc, ±15 mA	0 - 4 Vdc, 0.4 mA		
	L18P005D15C	5 A	600 Vrms				
	L18P010D15C	10 A	600 Vrms				
	L18P015D15C	15 A	600 Vrms				
	L18P020D15C	20 A	600 Vrms				
	L18P025D15C	25 A	600 Vrms				
	L18P030D15C	30 A	600 Vrms				
	L18P040D15C	40 A	600 Vrms				
	L18P050D15C	50 A	600 Vrms				
	L18P060D15C	60 A	600 Vrms				
L18P	L18P003D15-OP	3 A	600 Vrms	±15 Vdc, ±15 mA	0 - 4 Vdc, 0.4 mA		
	L18P005D15-OP	5 A	600 Vrms				
	L18P010D15-OP	10 A	600 Vrms				
	L18P015D15-OP	15 A	600 Vrms				
	L18P020D15-OP	20 A	600 Vrms				
	L18P025D15-OP	25 A	600 Vrms				
	L18P030D15-OP	30 A	600 Vrms				
	L18P040D15-OP	40 A	600 Vrms				
	L18P050D15-OP	50 A	600 Vrms				
	L18P060D15-OP	60 A	600 Vrms				
L18P	L18P003S05	3 A	600 Vrms	5 Vdc, 15 mA	0 - 4 Vdc, 0.4 mA		
	L18P005S05	5 A	600 Vrms				
	L18P010S05	10 A	600 Vrms				
	L18P015S05	15 A	600 Vrms				
	L18P020S05	20 A	600 Vrms				
	L18P025S05	25 A	600 Vrms				
	L18P030S05	30 A	600 Vrms				
	L18P040S05	40 A	600 Vrms				
	L18P050S05	50 A	600 Vrms				
	L18P060S05	60 A	600 Vrms				
L18P	L18P003S05R	3 A	600 Vrms	5 Vdc, 15 mA	0 - 3.2 Vdc, 0.32 mA		
	L18P005S05R	5 A	600 Vrms				
	L18P010S05R	10 A	600 Vrms				
	L18P015S05R	15 A	600 Vrms				
	L18P020S05R	20 A	600 Vrms				
	L18P025S05R	25 A	600 Vrms				
	L18P030S05R	30 A	600 Vrms				
	L18P040S05R	40 A	600 Vrms				
	L18P050S05R	50 A	600 Vrms				
	L18P060S05R	60 A	600 Vrms				

Series	Model	Primary (Feed-through)		Secondary(Sensing)	
				Input	Output
L18P	L18P003S12	3 A	600 Vrms	12 Vdc, 15 mA	0 - 4 Vdc, 0.4 mA
	L18P005S12	5 A	600 Vrms		
	L18P010S12	10 A	600 Vrms		
	L18P015S12	15 A	600 Vrms		
	L18P020S12	20 A	600 Vrms		
	L18P025S12	25 A	600 Vrms		
	L18P030S12	30 A	600 Vrms		
	L18P040S12	40 A	600 Vrms		
	L18P050S12	50 A	600 Vrms		
	L18P060S12	60 A	600 Vrms		
L18P	SL18P003D15	3 A	600 Vrms	±15 Vdc, ±15 mA	0 - 4 Vdc, 0.4 mA
	SL18P005D15	5 A	600 Vrms		
	SL18P010D15	10 A	600 Vrms		
	SL18P015D15	15 A	600 Vrms		
	SL18P020D15	20 A	600 Vrms		
	SL18P025D15	25 A	600 Vrms		
	SL18P030D15	30 A	600 Vrms		
	SL18P040D15	40 A	600 Vrms		
	SL18P050D15	50 A	600 Vrms		
	SL18P060D15	60 A	600 Vrms		
L31S	L31S050S05S	50 A	600 Vrms	5 Vdc, 15 mA	1.875 - 3.125 Vdc, 0.3125 mA
	L31S100S05S	100 A	600 Vrms		
	L31S200S05S	200 A	600 Vrms		
	L31S300S05S	300 A	600 Vrms		
	L31S400S05S	400 A	600 Vrms		
	L31S500S05S	500 A	600 Vrms		
L34S	L34S200D15	200 A	600 Vrms	±15 Vdc, ±25mA	0 - 4 Vdc, 0.4 mA
	L34S300D15	300 A	600 Vrms		
	L34S400D15	400 A	600 Vrms		
	L34S500D15	500 A	600 Vrms		
	L34S600D15	600 A	600 Vrms		
	L34S1T0D15	1000 A	600 Vrms		
	L34S1T2D15	1200 A	600 Vrms		
	L34S1T5D15	1500 A	600 Vrms		
S21S	S21S180D15JN	180 A	600 Vrms	±15 Vdc, ±25mA	0 - 1.35 Vdc, 45mA
S22P	S22P006S05	6 A	600 Vrms	5 Vdc, 12.5 mA	0 - 3.125 Vdc, 3mA
	S22P015S05	15 A	600 Vrms		0 - 3.125 Vdc, 7.5mA
	S22P025S05	25 A	600 Vrms		0 - 3.125 Vdc, 12.5mA
	S22P006S05M2	6 A	600 Vrms		0 - 3.125 Vdc, 3mA
	S22P015S05M2	15 A	600 Vrms		0 - 3.125 Vdc, 7.5mA
	S22P025S05M2	25 A	600 Vrms		0 - 3.125 Vdc, 12.5mA
S23P	S23P50/100D15	100 A	600 Vrms	MAX. ±15 Vdc, ±62.5 mA	-2.5 - 2.5 Vdc; -50 - 50mA
	S23P50/100D15M1	100 A	600 Vrms	MAX. ±15 Vdc, ±112.5 mA	-5 - 5 Vdc; -100 - 100mA
	S23P50/100D15M2	100 A	600 Vrms	MAX. ±15 Vdc, ±62.5 mA	-2.5 - 2.5 Vdc; -50 - 50mA
S25P	S25P050D15X	50 A	600 Vrms	MAX. ±15 Vdc, ±62.5 mA	-5 - 5 Vdc; -50 - 50mA
	S25P100D15X	100 A	600 Vrms	MAX. ±15 Vdc, ±112.5 mA	-5 - 5 Vdc; -100 - 100mA
	S25P100D15Y	100 A	600 Vrms	MAX. ±15 Vdc, ±62.5 mA	-5 - 5 Vdc; -50 - 50mA
	S25P150D15Y	150 A	600 Vrms	MAX. ±15 Vdc, ±87.5 mA	-3.75 - 3.75 Vdc; -75 - 75mA
S26P	S26P200D15Y	200 A	600 Vrms	MAX. ±15 Vdc, ±112.5 mA	-5 - 5 Vdc; -100 - 100mA
S27S	S27S300D15Y	300 A	600 Vrms	±15 Vdc, ±162.5 mA	0 - ±7.5 Vdc, ±150mA
	S27S300D15YM	300 A	600 Vrms	±15 Vdc, ±162.5 mA	0 - ±7.5 Vdc, ±150mA
S28S	S28S500D24Z	500 A	600 Vrms	±24 Vdc, ±130 mA	0 - ±5 Vdc, ±100mA
	S28S500D24ZM	500 A	600 Vrms	±24 Vdc, ±130 mA	0 - ±5 Vdc, ±100mA

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**CAUTION**

Series	Model	CAUTION
F01P	F01P***S05	The maximum temperature at top of Case shall not be higher than 110°C and busbar shall not be higher than 108°C in the end-use product.
F02P	F02P***S05	
F03P	F03P***S05	
L07P	L07P***D15 L07P***S05	-
L18P	L18P***D15 L18P***D15C L18P***D15-OP L18P***S05 L18P***S05R L18P***S12 SL18P***D15	-
L31S	L31S***S05S	-
L34S	L34S***D15	Do not wrap the primary conductor around the core part of the product for preventing to reduce the required Spacings.
S21S	S21S180D15JN	Do not wrap the primary conductor around the core part of the product to increase measured current.
S22P	S22P***S05 S22P***S05M2	-
S23P	S23P50/100D15 S23P50/100D15M1 S23P50/100D15M2	Provide two min. 100 by 85 mm, 0.5mm thick copper conductorcum heat sink as primary conductor of each side for safe usage. The primary conductor temperature and PCB should not exceed 100°C.
S25P	S25P***D15*	Do not wrap the primary conductor around the core part of the product to increase measured current.
S26P	S26P200D15Y	Do not wrap the primary conductor around the core part of the product to increase measured current.
S27S	S27S300D15Y S27S300D15YM	-
S28S	S28S500D24Z S28S500D24ZM	-



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