



Application Note

M.P. Electronics

Cross Reference Sheet

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Cross Reference Listing	M.P. Electronics	ATC - Diversified	Timemark	SSAC	Crouzet (Syrelec)	SymCom	Macromatic
Phase Monitors							
8 Pin, SPDT	001-DVM-118	SLA-230-ASA	B247, 258B	PLM6405	PWRL230A, PWRS220A	201A (D/V)	PAP208, PAP240
	001-DVM-118	SLA-440-ASA	A257B, A258B	PLM9405	PWRL480A, PWRS440A	201A (D/V)	PAP480
	001-DVM-118	SLU-100-ASA	-----	PLMU11	-----	201A (D/V)	PMPU, PMPU-FA8
	001-DVM-118	SLD-230-ASA	-----	-----	-----	-----	PMPU-FA8X
12 Pin, DPDT	001-DVM-1212	SLA-230-ALA	-----	-----	-----	-----	-----
	001-DVM-1212	SLA-230-ALAU	-----	-----	-----	-----	-----
	001-DVM-1212	-----	-----	-----	-----	-----	PMPU-FA12
Surface Mount	002-230-123	SLA-230-ALE	-----	-----	-----	-----	-----
	002-480-123	SLA-440-ALE	-----	-----	-----	-----	-----
Duplex Alternators							
8 Pin, SPDT	008-120-10	ARA-120-ABA	261-S-120	ARP41	PJR110A	ALT-115-S	ARP120A6
	008-120-10S	ARB-120-ABA	261-ST-120	ARP41S	PJRS110A	ALT-115-S	ARP120A6R
	008-120-10SP	-----	-----	-----	-----	-----	-----
8 Pin, DPDT, Crosswired	008-120-11	ARA-120-ACA	261-DX-120	ARP43	PJR110A	ALT-115X	ARP120A3
	008-120-11S	ARB-120-ACA	261-DXT-120	ARP43S	PJRXS110A	ALT-115-X-SW	ARP120A3R
	008-120-11SP	-----	-----	-----	-----	-----	-----
11 Pin, DPDT	008-120-12	ARA-120-ADA	261-D-120	ARP42	LJR2110A	-----	ARP120A2
	008-120-12S	ARB-120-ADA	261-DT-120	ARP42S	LJRS2110A	-----	ARP120A2R
	008-120-12SP	-----	-----	-----	-----	-----	-----
8 Pin, DPDT, Crosswired	008-120-13	ARA-120-AEA	-----	-----	-----	-----	ARP12-A5
	008-120-13S	ARB-120AEA	-----	-----	-----	-----	ARP120A5R
	008-120-13SP	-----	-----	-----	-----	-----	-----
Triplex Alternator	009-120-23	ARA-120-AFE	-----	-----	-----	-----	-----



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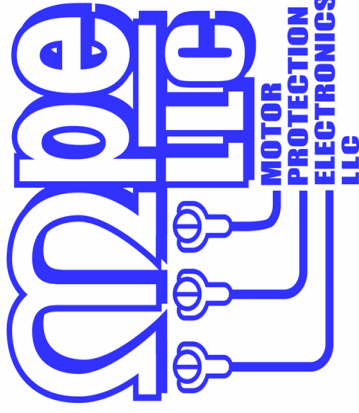
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	MPE	DIVERSIFIED
Intrinsically Safe Relays	030-024-118	ISO-24-AFA
	030-120-118	ISO-120-AFA

	MPE	DIVERSIFIED	FORM	FIT	FUNCTION
Voltage Monitors	004-230-118	UOA-240-AFA	Different	Same	MPE=SPDT, Div=DPDT & Fixed Adjustment, Pinout Different
	004-230-118	UOA-240-AKA	Different	Same	MPE = SPDT, Div = DPDT, Pinout is Different
	004-230-118	UOA-240-ALA	Different	Same	MPE = SPDT, Div = DPDT & Knob Locknut, Pinout is Different
	004-230-118	VBA-240-AFA	Same	Different	MPE is Plug-in, Div is Surface Mounted, with Fixed Adjustment
	004-230-118	VBA-240-AKA	Same	Different	MPE unit is Plug-in, Div unit is Surface Mounted
	004-230-118	VBA-240-ALA	Same	Different	MPE is Plug-in, Div is Surface Mounted, with Knob Locknut
Phase Monitors					
8-Pin	001-DVM-118	SLA-230-ASA	Same	Same	MPE Unit has Over-Voltage Protection -Div does not
	001-DVM-118	SLD-230-ASA	Same	Same	Same
	001-DVM-118	SLA-440-ASA	Same	Same	MPE Unit has Over-Voltage Protection -Div does not
	001-DVM-118	SUA-440-ASA	Same	Same	MPE Unit has Over-Voltage Protection -Div does not
	001-DVM-118	SLD-440-ASA	Same	Same	Same
12-Pin	001-DVM-1212	SLA-230-ALA	Same	Different	Same
	001-DVM-1212	SLA-230-ALAU	Same	Different	Same
Surface Mount	002-230-123	SLA-230-ALE	Same	Same	Same
	002-230-123	PBC-230-ALE	Same	Same	MPE Unit has fixed Under & Over Voltage Settings
	002-230-123	SLC-230-ALE	Same	Same	Same
	002-230-123	SLD-230-ALE	Same	Same	Same
	002-230-123	SLE-230-ALE	Same	Same	MPE Unit does not have adjustable U.V. Drop-out
	002-230-123	SLH-230-ALE	Same	Same	MPE Unit does not have Adjustable Hysteresis
	002-230-123	SLM-230-ALE	Same	Same	MPE Unit does not have Frequency & Phase Shift
	002-480-123	SLA-440-ALE	Same	Same	MPE Unit has Over-Voltage Protection - Div does not
	002-480-123	PBC-480-ALE	Same	Same	MPE Unit has Fixed Under & Over Voltage Settings
	002-480-123	SLC-440-ALE	Same	Same	Same
	002-480-123	SLD-440-ALE	Same	Same	Same
	002-480-123	SLE-440-ALE	Same	Same	MPE Unit does not have U.V. Drop-out Adjustment
	002-480-123	SLH-440-ALE	Same	Same	MPE Unit does not have Adjustable Hysteresis
	002-480-123	SLM-440-ALE	Same	Same	MPE unit does not have frequency & phase shift



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MPE		DIVERSIFIED								
Triplex Alternators	009-120-23	ARA-120-AFE	Same	Same	Same	Same except MPE unit has switch for duplex/triplex operation				
	009-120-23	009-120-AME	Same	Same	Same	Same				
	009-120-23	ARA-120-AHE	Same	Same	Same	Same except MPE unit always locks out output #3 in duplex mode				
	009-120-23	ARA-120-AJE	Same	Same	Same	Same except MPE unit always alternates 1-2-3, 2-3-1, 3-1-2				
	009-120-23P	ARA-120-AFE	Same	Different	Different	MPE is plug-in, MPE unit has switch for duplex/triplex operation				
	009-120-23P	009-120-AME	Same	Different	Different	MPE is plug-in				
	009-120-23P	ARA-120-AHE	Same	Different	Different	MPE is plug-in, MPE unit always locks out the #3 in duplex mode				
	009-120-23P	ARA-120-AJE	Same	Different	Different	MPE is plug-in, MPE unit always alternates 1-2-3, 2-3-1, 3-1-2				
Time Delay Relays	021-024-0010	TDC-024-AKA-010	Same	Same	Same					
	021-024-0010	TDC-024-ALA-010	Same	Same	Same	Div unit has knob lockout				
	021-024-0010	TDC-024-AFA-010	Same	Same	Same	Div unit has fixed delay for 10 seconds				
	021-024-0010	TUC-024-AKA-010	Same	Same	Same	Same				
	021-024-0010	TUC-024-ALA-010	Same	Same	Same	Div unit has Knob locknut				
	021-024-0010	TUC-024-AFA-010	Same	Same	Same	Div unit has fixed delay for 10 seconds				
	021-024-0010	TBC-024-A-AA	Same	Same	Same	Time on Div unit is dip switch selectable				