ELEC	Electrical engineering MENU - cat : ELEC	Electrical engineering functions and custom programs	Category: Custom

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3	gShifted	STO 3Z	RCL 3Z	STO 3V	RCL 3V	STO 3I	RCL 3I
2	fShifted	V÷I	I×Z	V÷Z	X → BAL	||	CPX
1	primary	Y → Δ	Δ → Y	→ 012	→ abc		CLSTK
Page	2	F1	F2	F3	F4	F5	F6

ELEC	Page 2									
F-key	Button label	Full name	Extended description	Type	Flag name	Additional information	Catalog	Default	Status
F1	Y → Δ	Star (Wye) to Delta	Convert delta connected impedances X, Y, Z to star impedances X, Y, Z	Function			Y → Δ		
F2	Δ → Y	Delta to Star (Wye)	Convert star connected impedances X, Y, Z to delta impedances X, Y, Z	Function			Δ → Y		
F3	→ 012	Convert to symmetrical components	Convert 3-phase a, b, c in Z, Y, X to symmetrical components a0, a1, a2 in Z, Y, X	Function			AtoSYM		
F4	→ abc	Convert from symmetrical components	Convert symmetrical components a0, a1, a2 in Z, Y, X to 3-phase a, b, c in Z, Y, X	Function			SYMtoA		
F5	<empty>								
F6	CLSTK	Clear stack	Clear all stack data	Function			CLSTK		
fShifted F1	V÷I	Triple Z = V / I	X = R93 / R96 ; Y = R94 / R97 ; Z = R95 / R98	Function			3V÷3I		
fShifted F2	I×Z	Triple V = I x Z	X = R96 * R90 ; Y = R97 * R91 ; Z = R98 * R92	Function			3I×3Z		
fShifted F3	V÷Z	Triple I = V / Z	X = R93 / R90 ; Y = R94 / R91 ; Z = R95 / R92	Function			3V÷3Z		
fShifted F4	X → BAL	X Balanced	Create balanced 3 phase quanties by pushing onto stack X * a, and then X * a * a	Function			X → BAL		
fShifted F5	||	Parallel	Parallel impedance = (X × Y) / (X + Y)	Function			||		
fShifted F6	CPX	Complex	Complex functions	MENU			CPX		
gShifted F1	STO 3Z	Store triple Z	Copy X, Y, Z to R90, R91, R92	Function			STO 3Z		
gShifted F2	RCL 3Z	Recall triple Z	Copy R90, R91, R92 to X, Y, Z	Function			RCL 3Z		
gShifted F3	STO 3V	Store triple V	Copy X, Y, Z to R93, R94, R95	Function			STO 3V		
gShifted F4	RCL 3V	Recall triple V	Copy R93, R94, R95 to X, Y, Z	Function			RCL 3V		
gShifted F5	STO 3I	Store triple I	Copy X, Y, Z to R96, R97, R98	Function			STO 3I		
gShifted F6	RCL 3I	Recall triple I	Copy R96, R97, R98 to X, Y, Z	Function			RCL 3I		