

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

page scrolling indicator : ▲ ▼

Menu	ELEC	1	2	3	4	5	6
3	gShifted	DEG (°)	⇒DEG	RAD ()	⇒RAD	RECT (•)	POLAR ()
2	fShifted	[M] ⁻¹	zyx→M	M→zyx	[A]		CPX
1	primary	π	i	x ²	a	a ²	CLSTK
Page	1	F1	F2	F3	F4	F5	F6

--	--	--	--	--	--	--	--

ELEC F-key	Page 1 Button label	Full name	Extended description	Type	Flag name	Additional information	Catalog	Default	Status
F1	π	pi	Insert value of pi	Function					
F2	i	Imaginary number	Complex number i ; displayed according to flag CPXj (default: i)	Function	CPXj	Info : In NIM, works like CC ; RECT input assumed always	op_i		
F3	x ²	Square	Square of X	Function			x ²		
F4	a	Operator a	Insert value of 1 ∠ 120°	Function			op_a		
F5	a ²	Operator a ²	Insert value of 1 ∠ 240°	Function			op_a ²		
F6	CLSTK	Clear stack	Clear all stack data	Function			CLSTK		

fShifted F1	[M] ⁻¹	Invert matrix	Inverse of matrix	Function			[M] ⁻¹		
fShifted F2	zyx→M	Compose 3x1 matrix	Create 3x1 matrix from ZYX	Function			zyx→M		
fShifted F3	M→zyx	Decompose 3x1 matrix	Decompose 3x1 matrix to ZYX	Function			M→zyx		
fShifted F4	[A]	Create 3x3 A-Matrix	Create 3x3 A-matrix relating to Fortescue's Symmetrical Components [https://en.wikipedia.org/wiki/Symmetrical_components#A_matrix]	Function			op_A		
fShifted F5		Parallel	Parallel impedance = (X × Y) / (X + Y)	Function					
fShifted F6	CPX	Complex	Complex functions	MENU			CPX		

gShifted F1	DEG	Set ADM to DEG	Set ADM to degrees mode	Setting (pgm)	<no flag>	SBI : °	DEG (°)	ON	Radiobutton
gShifted F2	⇒DEG	Set DEG tag or convert to DEG	If untagged, set tag to DEG ; if tagged, convert X to degrees ; does not change ADM	Function		Tag : °	⇒DEG		
gShifted F3	RAD	Set ADM to RAD	Set ADM to radians mode	Setting (pgm)	<no flag>	SBI : °	RAD ()	OFF	Radiobutton
gShifted F4	⇒RAD	Set RAD tag or convert to RAD	If untagged, set tag to RAD ; if tagged, convert X to RAD ; does not change ADM	Function		Tag : °	⇒RAD		
gShifted F5	RECT	Rectangular	Rectangular display of complex numbers (internal value is RECT)	Setting (pgm)	POLAR	SBI : L ; Shortcut : FF X (TAM)	RECT (•)	ON	Radiobutton
gShifted F6	POLAR	Polar	Polar representation of complex numbers (internal value is RECT)	Setting (pgm)	POLAR	SBI : O ; Shortcut : FF X (TAM)	POLAR ()	OFF	Radiobutton