

FEEDBACK FEATURES FOR DUET

E1 TTL ENCODER	Motor size		DUET 40-60	
	Nominal Voltage	V	$5 \pm 10\%$	
	Nominal current	mA	30	
	Electronic type		LINE DRIVER AM 26 LS31	
	Zero impulse		ONE AT A LAP	
	N° of pulses revolution	ppr	1024	
	Resolution	cpr	4096	
	N° of commutation signal		3 (U, V, W)	
	System accuracy	degree	$\pm 0,5$	

FEEDBACK FEATURES FOR DUET FLEXI

R1 RESOLVER 2 poles	Motor size		DUET FLEXI 60-80	
	Nominal Voltage	Vrms	$7 \pm 5\%$	
	Nominal current	mA	50	
	Phase shift		$+3^\circ$	
	Minimum sin amplitude	mVrms	20	
	Frequency	kHz	10	
	Poles number		2	
	Trasformer ratio		$0.5 \pm 5\%$	
	Input impedance	ohm	$130 + j280$	
	Output impedance	ohm	$425 + j755$	
	System accuracy		$\pm 10'$	
	Rotor inertia	Kg cm ²	0.03	

A1 ABSOLUTE MULTITURN ENCODER	Motor size		DUET FLEXI 60 - 80	
	Nominal Voltage	V	$7 \div 12$	
	Maximum nominal current	mA	60	
	Interface type		Hiperface	
	N° absolute singleturn steps		4096 (12 Bits)	
	N° absolute multiturn steps		4096 (12 Bits)	
	N° of sin/cos periods per revolution		128	
	Error limits for evaluating the sin/cos period	arc sec	± 80	
	Rotor inertia	Kg cm ²	0.0045	

SEE IT BEFORE IT HAPPENS

FEEDBACK FEATURES FOR DUET AD

E6 ABSOLUTE SINGLETURN ENCODER	Motor size		DUET AD 80
	Type		Magnetic encoder
	N° absolute single turn steps		16.384 (14 Bits)

FEEDBACK FEATURES FOR DUET HV

A1 ABSOLUTE MULTITURN ENCODER	Motor size		DUET HV 60 - 80 - 100 - 142
	Nominal Voltage	V	7 ÷ 12
	Maximum nominal current	mA	60
	Interface type		Hiperface
	N° absolute singleturn steps		4096 (12 Bits)
	N° absolute multiturn steps		4096 (12 Bits)
	N° of sin/cos periods per revolution		128
	Error limits for evaluating the sin/cos period	arc sec	± 80
	Rotor inertia	Kg cm ²	0.0045

A3 ABSOLUTE MULTITURN ENCODER	Motor size		DUET HV 60 - 80 - 100 - 142
	Nominal Voltage	V	7 ÷ 12
	Maximum nominal current	mA	50
	Interface type		Hiperface
	N° absolute singleturn steps		512 (9 Bits)
	N° absolute multiturn steps		4096 (12 Bits)
	N° of sin/cos periods per revolution		16
	Error limits for evaluating the sin/cos period	arc sec	± 288
	Rotor inertia	Kg cm ²	0.001

A5 ABSOLUTE SINGLETURN ENCODER	Motor size		DUET HV 60 - 80 - 100 - 142
	Nominal Voltage	V	7 ÷ 12
	Maximum nominal current	mA	50
	Interface type		Hiperface
	N° absolute singleturn steps		512 (9 Bits)
	N° of sin/cos periods per revolution		16
	Error limits for evaluating the sin/cos period	arc sec	± 288
	Rotor inertia	Kg cm ²	0.001