

## FEEDBACK FEATURES FOR DUET

E1 TTL ENCODER	Motor size		DUET 40-60
	Nominal Voltage	V	5±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	± 0,5

## FEEDBACK FEATURES FOR DUET FLEXI

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

A1 ABSOLUTE MULTITURN ENCODER	Motor size		DUET FLEXI 60 - 80
	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 <sup>2</sup>	0.0045

SEE IT BEFORE IT HAPPENS

## FEEDBACK FEATURES FOR DUET AD

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

## FEEDBACK FEATURES FOR DUET HV

<b>A1 ABSOLUTE MULTITURN ENCODER</b>	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 <sup>2</sup>	0.0045

<b>A3 ABSOLUTE MULTITURN ENCODER</b>	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 <sup>2</sup>	0.001

<b>A5 ABSOLUTE SINGLETURN ENCODER</b>	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 <sup>2</sup>	0.001