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^2	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^2	0.0045

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