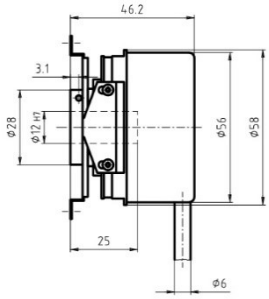
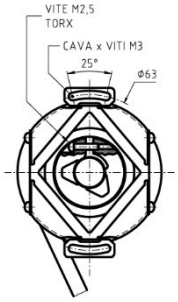
ENCODER ASSOLUTO MONOGIRO / MULTIGIRO - *ABSOLUTE SINGLE-TURN / MULTI-TURN ENCODER*





Modello – *Model*	ECN 425 FS	EQN 437 FS	ECN 424S FS
Tipo – *Type*	**ABSOLUTE SINGLE TURN**	**ABSOLUTE MULTI TURN**	**ABSOLUTE SINGLE TURN**
Sicurezza – *Safety*	SIL 2 (PLd)	SIL 2 (PLd)	SIL 2 (PLd)
Risoluzione – *Resolution available*	-		
Uscita – *Output*	-		
Segnali – *Signals*	Data+, Data-, Clock+, Clock-		
Alimentazione – *Supply*	**3,6…14 Vdc**		**10…36 Vdc**
Corrente senza carico – *Current without load*	85 mA (5V) Typical	105 mA (5V) Typical	37 mA (24V) Typical
Interfaccia – *Interface*	**EnDat® 2.2 (EnDat 22)**		**DRIVE-CLiQ®**
Nr. di giri totali – *Total nr. of turns*	-	4096	-
Nr. di posizioni per giro – *Nr. of steps per revolution*	33.554.432 (25 bit)	33.554.432 (25 bit)	16.777.216 (24 bit)
Nr. di posizioni totali – *Total nr. of steps*	-		
Frequenza max. – *Max. frequency*	-		
Velocità di esercizio – *Operating speed*	6000 rpm		
Temperatura di esercizio – *Working temperature*	-20...+100 °C		
Custodia e albero – *Housing and shaft*	d.58 mm, hollow shaft d.12 mm		
Grado di protezione – *Protection degree*	IP 64		
Connettore standard – *Standard connector*	Size 12 - 8 pin Flange Socket or Coupling		
Cavo – *Cable*	-		
Peso – *Weight*	0,3 kg		
Inerzia – *Inertia*	43 gcm²		46 gcm²
Resistenza agli urti – *Res. to shocks (IEC 60068-2-27)*	< 200 g (6 ms)		
Resistenza alle vibrazioni – *Res. to vibrations (IEC 60068-2-6)*	< 30 g (55…2000 Hz)		< 15 g (55…2000 Hz)
Note:	Connettore volante non fornito – *Flying connector not supplied*		

SCHEMA DI COLLEGAMENTO
WIRING DIAGRAM

ECN 425 FS
EQN 437 FS

	Voltage supply				Serial data transmission			
	8	2	5	1	3	4	7	6
	U_P	Sensor U_P	0 V	Sensor 0 V	DATA	$\overline{\text{DATA}}$	CLOCK	$\overline{\text{CLOCK}}$
	Brown/Green	Blue	White/Green	White	Gray	Pink	Violet	Yellow

Cable shield connected to housing; U_P = Power supply voltage

ECN 424S FS

	Voltage supply		Serial data transfer			
			Transmit data		Receive data	
	1	5	7	6	3	4
	U_P	0 V	TXP	TXN	RXP	RXN

Cable shield connected to housing; U_P = Power supply voltage

Technical data and drawings are subject to change without notice.