


SM-RESOLVER

Designed for robust feedback in demanding environments, this SM option module enables the drive to measure the speed and position of motors and machines fitted with resolvers. Due to their ruggedness, resolvers are often used in hot, demanding environments. The module also offers a simulated incremental encoder output.

Input Impedance: $>85 \Omega @ 6 \text{ kHz}$
 Turns Ratio: 3:1 or 2:1 (input : output)
 Number of Poles: 2, 4, 6 or 8

SM-RESOLVER Excitation Output:
 Output Waveform:
 6 kHz rms sine wave (turns ratio = 3:1) OR
 6 kHz rms sine wave (turns ratio = 2:1)

SM-RESOLVER Inputs:
 Input voltage 2 V rms

	SM-RESOLVER		
	Mentor MP Quantum MP	Unidrive SP	Digitax ST
		✓	✓

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Simulated encoder output connections								Resolver connections									
Terminal								Terminal									
1	A							9	SIN LOW								
2	A\							10	SIN HIGH								
3	0 V common							11	COS LOW								
4	B							12	COS HIGH								
5	B\							13	REF HIGH (excitation)								
6	0 V common							14	REF LOW (excitation)								
7	Z							15	0 V								
8	Z\							16	0 V common								
								17	0 V								