

Prefix + interpolation factor	Counter clock	Open collector & alarm format	Count direction & orientation	Alarm options	Warning options	AOC ABC Limits	Part number
Si-0000 (1 Vpp)	00	0	ON	003	003	3	A-9572-1002
Si-0004 (5 μm)	04	0	FN	403	003	3	A-9572-1009
	20						A-9572-1029
	04	1	FN	403	003	3	A-9572-1010
Si-0020 (1 μm)	12	0	FN	403	003	3	A-9572-1017
	20	1	FN	403	003	3	A-9572-1011
Si-0040 (0.5 μm)	08	0	FN	403	003	3	A-9572-1024
	10						A-9572-1004
	20						A-9572-1023
	40						A-9572-1021
	12	1	FN	403	003	3	A-9572-1025
	20						A-9572-1022
Si-0100 (0.2 μm)	10	1	FN	403	003	3	A-9572-1008
	20						A-9572-1006
Si-0200 (0.1 μm)	04	0	FN	403	003	3	A-9572-1019
	12	1	FN	403	003	3	A-9572-1012
	40						A-9572-1007
Si-0400 (50 nm)	06	0	FN	403	003	3	A-9572-1013
	40						A-9572-1026
	06	1	FN	403	003	3	A-9572-1014
Si-1000 (20 nm)	12	0	FN	403	003	3	A-9572-1015
	08	1	FN	403	003	3	A-9572-1018
	12						A-9572-1016
	20						A-9572-1005

Prefix + interpolation factor

Interpolation factor of the interface from $\times 4$ (5 μ m) to $\times 1000$ (20nm)

Counter clock

2 digit code represents minimum customer counter-clock frequency.
Options from 1 MHz (01) to 40 MHz (40)

The code for analogue versions is 00

Open collector & alarm format

Code	Alarm output	Warning output	Limit output
0	3-state	high	high
1	Line driven	high	high
2	3-state	high	low
3	Line driven	high	low
4	3-state	low	high
5	Line driven	low	high
6	3-state	low	low
7	Line driven	low	low

Count direction & orientation

Two letters define the count direction & mounting orientation

The first letter defines count direction:

0 - Analogue systems only

F- Forward - digital

R - Reverse - digital

The second letter defines which end of the readhead the P and Q limits occur

N - P limit cable end

R- Q limit cable end

Standard default configuration is 0N for analogue and FN for digital

Alarm options

Three digit code defines alarm options activated

Standard default configuration is:

	Code	Low signal <20%	High signal >135%	AOC alarm	ABC alarm	Overspeed
Analogue	003	Yes	Yes	No	No	No
Digital	403	Yes	Yes	No	No	Yes

For more information on available Alarm and warning sources please contact your local Renishaw representative

Warning options

Three digit code defines which warning options are activated

Standard default configuration is:

Code	High signal >130%	Low signal <50%	AGC warning	ABC warning	Ref.mark problems
003	Yes	Yes	No	No	No

For more information on available Alarm and warning sources please contact your local Renishaw representative

AOC, ABC and Limits

A single digit represents whether AOC, ABC and Limits are enabled or disabled

Code	Limits	ABC	AOC
0	ON	OFF	OFF
1	ON	OFF	ON
2	ON	ON	OFF
3	ON	ON	ON
4	OFF	OFF	OFF
5	OFF	OFF	ON
6	OFF	ON	OFF
7	OFF	ON	ON