

# FSPC.E355642 - Energy and Industrial Systems Certified for Functional Safety

## Energy and Industrial Systems Certified for Functional Safety

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**IDEC CORP**

E355642

6-64 NISHIMIYAHARA 2-CHOME  
YODOGAWA-KU, OSAKA 532-0004 JAPAN

Listed products investigated to ANSI/UL 1998 (1998)

Model No.	Safety Function	Safety Rating	Beta					Diagnostic				
			SFF	PFH	HFT	Factor	PFD <sub>avg</sub>	MTTF <sub>d</sub>	Coverage	Category	CCF	
<b>Type 3 Laser Scanners</b>												
SE1L-H02LP (+)	Laser Scanner	Class 2	-	-	-	-	-	-	-	-	-	-
SE2L-H05LP	Laser Scanner	Class 2	-	-	-	-	-	-	-	-	-	-
SE2L-H05LPC	Laser Scanner	Class 2	-	-	-	-	-	-	-	-	-	-

Listed products investigated to EN/IEC 61508, Parts 1 - 7 (2010)

Model No.	Safety Function	Safety Rating	SFF	PFH	HFT	Beta		MTTF <sub>d</sub>	Diagnostic Coverage	Category	CCF
						Factor	PFD <sub>avg</sub>				
<b>Type 3 Laser Scanners</b>											
SE1L-H02LP (+)	Laser Scanner	SIL 2	>90% Medium	7.49 x 10 <sup>-8</sup>	1	2%	5.42 x 10 <sup>-9</sup>	424.64	Low	Category 3	2%
SE2L-H05LP	Laser Scanner	SIL 2	>90% Medium	7.49 x 10 <sup>-8</sup>	1	2%	1.6 x 10 <sup>-8</sup>	35.29	Medium	Category 3	2%
SE2L-H05LPC	Laser Scanner	SIL 2	>90% Medium	7.49 x 10 <sup>-8</sup>	1	2%	1.6 x 10 <sup>-8</sup>	35.29	Medium	Category 3	2%

(+) - Also complies with UL 1998, the Standard for Safety Related Software. Also complies with IEC 61508. Also complies with IEC 61508-3.

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