



# Product Data Sheet

SC 1400 SEL19  
SoftEdge Light Curtain 2019



● Standard    ○ Optional

Electrical Specifications		Description	Remark		
Drive System	Operator	Direct Drive 2hp Operator. See Control Box Requirements for Field Connection Voltage	IP54	●	
	Encoder	230V Δ 10.9 FLA (for 3ph feed) 230V WYE 6.3 FLA (for 1ph feed)	IP65 with Stainless Steel Shaft	○	
	Encoder	Integrated DES Encoder for High Accuracy Door Positioning		●	
	Brake	Integrated 24 Vdc Holding Brake		●	
Control Box	On-Site Power Requirements	208 - 480V/3ph/60Hz	Reference Control Box Manual for Voltage Tolerances	●	
		230V/1ph/60Hz		○	
		575V/3ph/60Hz - Transformer Required		○	
		Max 20 Amp Class CC Fuses Required		●	
	NXT VFD With Quick Connect Terminals		Listed Per UL 61800-5-1, UL325, and UL991	●	
	Enclosure	NEMA 4X Indoor RAL7035 Light Gray Powder Coated Finish		Galvanized	●
				304 Stainless Steel	○
	Other Features	10 Programmable Inputs and 3 Programmable Relay Outputs			●
Up to 2.4A of Onboard 24VDC for Accessories			●		
5A 24VDC Additional Power Supply			○		
Expansion Boards		1&2 Channel Loop Detectors; I/O Expansion Options	○		

Energy Analysis	Description		Remark
Visible Transmittance	0.8		Per calc ANSI / NFRC 200-2014 (Clear Vision Panels)
Solar Heat Gain Coefficient (G-Value)	0.81		Per test EN 717-1, DASMA TDS-163 (Without Vision)
Thermal Resistance (R-Value)	R 0.22 (ft <sup>2</sup> x °F x hr)/BTU	0.04 (m <sup>2</sup> x K)/W	Per test EN 717-1, DASMA TDS-163 (Without Vision)
Heat Transfer Coefficient (U-Factor)	U 1.20 BTU/(hr x ft <sup>2</sup> x °F)	6.81 W/(m <sup>2</sup> ·K)	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation	STC 35	Rw 35 dB	Per test EN 717-2, ASTM E90



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