

Product Data Sheet

SC 1400 SEL19 Cool-Master

SoftEdge Light Curtain 2019 for Cooler-to-Ambient Conditions

HÖRMANN



- Anti-sweat, polyester reinforced PVC foam curtain
- Sectional panel construction allows for painless panel replacement and decreased down-time
- 304 stainless steel available for tracks, hood, operator, bearing, tube, control box
- Variable frequency drive enables soft-start, soft-stop, decreasing drive system wear and increasing product life.

Speed-Commander™ 1400 SEL19 Cool-Master high speed flexible door with insulated foam curtain.

Key Product Information		Description		Remark
Application		Interior Only (Warm Side Recommended)		
Size Range	Width	4ft 0in - 16ft 0in	1219mm - 4877mm	
	Height	6ft 0in - 16ft 0in	1829mm - 4877mm	
Speed	Opening	Up to: 80 in/s	Up to: 2 m/s	Variable Speed Based on Opening Height
	Closing	Up to: 30 in/s	Up to: 0.5 m/s	
Windload	Width <= 12ft	Soft Edge: ± 1.0 psf Aluminum Edge: ± 1.6 psf	± 47.8 Pa ± 76.6 Pa	Per standard EN 12424, DASMA 108
	Width > 12ft	Soft Edge: ± 0.35 psf Aluminum Edge: ± .65 psf	± 16.8 Pa ± 31.1 Pa	
Operational Temperature		34 to 104°F		
Maximum Cycles Per Hour		30 cycles/hour		
Warranty		5 & 2 years. Motor / gearbox and Panels (5), all other mech. / elec. (2)		

● Standard ○ Optional

Safety Features	Description	
Light Curtains	Integrated UL325 Rated Light Curtains in Tracks Providing Touchless Safety	●
Reversing Edge	Electronic Wireless Reversing Edge (with Aluminum Bottom Bar) and UL 325 Thru-Beam Sensors	○
Emergency Egress in the Event of Power Failure	Crank Handle	●
	Chain Hoist	○
	UPS Battery Backup for 1ph 230V Feed – Non UL Rated	○
Anti-Fall	Integrated UL325 Anti-Fall device	●

Design Specifications		Description	Remark
Panel Design	Foam Curtain	Abrasion resistant, Polyester Reinforced PVC Foam, 3 mm Thick, 42.8 oz./yd2	Color Availability: RAL 7024, Agate Gray Consult Factory for other curtain colors and materials. ●
	Vision Section	Full Width Vision Panel 0.080in (2mm) Clear PVC	1 Vision ● 2 Vision (with additional windrib) ○
	Screen Section	Vinyl coated 1000 density polyester core yarn in warp and fill. 0.03in (0.75mm) Thick, 10.3 oz./yd2	Fabric Openness 46.9% Full-Width Continuous Removable Screen ○
	Windribs	Clear Anodized Extruded Aluminum	●
Bottom Edge	Soft-Edge™	Rubber with Integrated Spring Steel Reinforcement	Crash Sensors with Track Reset System ●
	Aluminum Bottom Bar	Anodized Aluminum with EPDM Rubber Edge	○
Tracks		12Ga G90 Self Supporting Galvanized Steel Construction	●
		12Ga 304 Stainless Steel Construction	○
		Painted or Powder Coated Any RAL	○
Weather Seals	Lintel Seal	Black Pvc Loop	●
	Track Seals	Dual Black EPDM Rubber Track Seals	●

Product Data Sheet

SC 1400 SEL19 Cool-Master

SoftEdge Light Curtain 2019 for Cooler-to-Ambient Conditions



● Standard ○ Optional

Electrical Specifications		Description	Remark		
Drive System	Operator	Direct Drive 2hp Operator. See Control Box Requirements for Field Connection Voltage	IP54	●	
	Encoder	132V 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	0.83	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 2.27 (ft ² x °F x hr)/BTU 0.4 (m ² x K)/W	Per test EN 717-1, DASMA TDS-163 (Without Vision)
Heat Transfer Coefficient (U-Factor)	U 0.7 BTU/(hr x ft ² x °F) 3.97 W/(m ² ·K)	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation	STC 35 Rw 35 dB	Per test EN 717-2, ASTM E90



Hörmann High Performance Doors | 117 Starpointe Blvd. | Burgettstown, PA 15021-9506
1-800-365-3667 | info2@hormann.us | hormann.us