



AkroSCAN Sensor Specifications: VHSLE2Y3-240-260-200-685-F

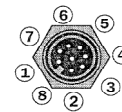
P.O Box 1869 Akron, Ohio 44309 Phone: 330-784-1251 FAX: 330-798-0250

Electrical	Power Consumption (W)	4.5 typical, 7 max.
	Power Supply (Vdc)	+7 ... +24
	Laser Power Supply (Vdc)	+4.8 ... +6.5
	Encoder Input (Vdc)	+2 ... +15
	Communication Interface	RJ45, Gigabit Ethernet
	Power Interface	RS485, M12, 8 pins, male
	Encoder Interface	RS422 (TTL level), M12, 8 pins, female
Mechanical	Dimensions (L x W x H) (mm)	138 x 95 x 127
	Weight (kg)	1.2
	Housing Material	Anodized Aluminum, blue
	Window	Filtered Glass
	Mounting Screws	M4x0.7 (4x)
	Laser Perpendicularity	+/- 2mm from nominal
Environmental	Operating Temperature (°C)	+5 ... +40 (without air cooling)
	Operating Humidity (%)	5 ... 95 (no condensation)
	Enclosure Rating*	IP67 with sealed Ethernet connector IP20 with standard Ethernet connector
	Shock Load** (IEC 68-2-29)	15 g / 6ms
	Vibration Load (IEC 68-2-6)	5 g, 58...150 Hz
Performance	Resolution	1536 (H) x 8192 (V) @ 1kHz 1536 (H) x 2048 (V) @ 2kHz
	Accuracy (mm)	.05 - .2 (feature size dependant)
	Repeatability (mm)	.025 - .1 (1-sigma, feature size dependant)
Laser	Source	Visible semiconductor laser
	Wavelength (nm)	660 ± 1.5
	Maximum Output*** (mW)	5
	CDRH Class	IIla
	IEC Class	3R

* Harting® Push/Pull connector recommended

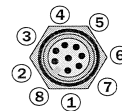
** Glass surfaces not shock rated

*** Per 7mm Aperture



POWER (male)

Pin	Signal	Description
1	CNT	Count Reset (24V)
2	PWR	Power Supply (24V)
3	LAS	Laser (5V)
4	---	Not Used
5	---	Not Used
6	---	Not Used
7	GND	Ground
8	---	Not Used



ENCODER (female)

Pin	Signal	Description
1	INA+	Clock A+
2	INB+	Direction B+
3	INB-	Direction B-
4	INA-	Clock A-
5	GND	Ground
6	---	Not Used
7	MON	Firmware Update (24V)
8	---	Not Used

