

elesa Position Indicators

Electrical Position Indicators

Overview

Position indicators monitor a rotating shaft and provide a precise reading of the absolute or incremental position of equipment, machinery, or systems. The large LCD offers a wide viewing angle and excellent readability from a distance, and their rugged polyamide housing provides a high IP65 or IP67 protection rating, making them suitable for applications requiring frequent washing, even with intense water jets.

Features

- Values display in mm, inches, or degrees
- Absolute or incremental display mode
- Reading orientation clockwise or counter clockwise
- IP65 or IP67 protection rating



DD51E-SST-IP65F12



DD52RE-SST-IP65

Electrical Position Indicators Selection Table

Part Number	Price	Display Size	Mounting Hole Size	Protection Rating	Housing Material	Mounting Material	Weight grams [oz]	Drawing Link
DD51E-SST-IP65F12	\$191.00	8mm [0.31 in] 5-digit	1/2 in	IP65	Polyamide	304 stainless steel	67 [2.36]	PDF
DD51E-SST-IP67F12	\$212.00			IP67			72 [2.53]	PDF
DD51E-SST-IP65	\$195.00		14mm	IP65			67 [2.36]	PDF
DD51E-SST-IP67	\$217.00			IP67			72 [2.53]	PDF
DD52RE-SST-IP65F34	\$226.00	12mm [0.47 in] 6-digit	3/4 in	IP65			129 [4.55]	PDF
DD52RE-SST-IP67F34	\$251.00			IP67			141 [4.97]	PDF
DD52RE-SST-IP65	\$232.00		20mm	IP65			129 [4.55]	PDF
DD52RE-SST-IP67	\$257.00			IP67			141 [4.97]	PDF

Electrical Position Indicators Specifications

Type	DD51E	DD52RE
Battery	Lithium battery CR2450 3.0 V	Lithium battery CR2477 3.0 V
Battery Life	Up to 3 years	Up to 5 years
Display	5-digit LCD of 8mm height and special characters	6-digit LCD of 12mm height and special characters
Reading Scale	-19999; 99999	-199999; 999999
Number of Decimal Digits	Programmable ⁽¹⁾	
Unit of Measure	mm, inches, degrees programmable ⁽¹⁾	
Rotation Max. Speed	300/600/1000 r.p.m. ⁽²⁾ programmable ⁽¹⁾	
Resolution	10.000 impulses / revolution	
Mounting Orientation	Universal	
Working Temperature	0 to 50°C [32 to 122°F]	
Storage Temperature	-20 to 60°C [-4 to 140°F]	
Relative Humidity	Max. 95% at 25°C without condensation	
Interference Protection	Complies with Directive 2014/30/EU (EMC)	
Window Material	Polyamide based technopolymer (PA-T)	
Boss Material	AISI 304 stainless steel	
Environment	Indoor use	
Keyboard Material	Polyester	
Agency Approvals	CE	

⁽¹⁾ See the operating instructions.

⁽²⁾ Higher rotation speed to 600 r.p.m. can be maintained for short periods of time. The value of the max. speed affects the battery life.

elesa® Position Indicators

304 Stainless Steel Reducer Bushings

Overview

Elesa reducer bushings, available in imperial and metric sizes, are designed to adapt smaller shaft diameters to fit the position indicators.

Features

- 304 stainless steel housing material
- RoHS



RB52-16-SST-304

304 Stainless Steel Reducer Bushings							
Part Number	Price	Outside Diameter	Inside Diameter	Housing Material	For Use With	Weight grams [oz]	Drawing Link
<u>RB51-6-SST-304</u>	\$20.00	14mm	6mm	304 stainless steel	Elesa DD51 metric indicators	20 [0.70]	<u>PDF</u>
<u>RB51-8-SST-304</u>	\$20.00		8mm			17 [0.59]	<u>PDF</u>
<u>RB51-10-SST-304</u>	\$20.00		10mm			11 [0.38]	<u>PDF</u>
<u>RB51-12-SST-304</u>	\$20.00		12mm			8 [0.28]	<u>PDF</u>
<u>RB52-12-SST-304</u>	\$23.00	20mm	12mm		Elesa DD52 metric indicators	32 [1.12]	<u>PDF</u>
<u>RB52-14-SST-304</u>	\$23.00		14mm			26 [0.91]	<u>PDF</u>
<u>RB52-15-SST-304</u>	\$23.00		15mm			22 [0.77]	<u>PDF</u>
<u>RB52-16-SST-304</u>	\$23.00		16mm			18 [0.63]	<u>PDF</u>
<u>RB51-12-14-SST-304</u>	\$21.00	1/2 in	1/4 in		Elesa DD51 imperial indicators	20 [0.70]	<u>PDF</u>
<u>RB51-12-38-SST-304</u>	\$21.00		3/8 in			16 [0.56]	<u>PDF</u>
<u>RB52-34-38-SST-304</u>	\$25.00	3/4 in	3/8 in		Elesa DD52 imperial indicators	42 [1.48]	<u>PDF</u>
<u>RB52-34-12-SST-304</u>	\$25.00		1/2 in			25 [0.88]	<u>PDF</u>
<u>RB52-34-58-SST-304</u>	\$25.00		5/8 in			14 [0.49]	<u>PDF</u>

elesa® Position Indicators

Spoked Handwheels

Overview

Handwheels are commonly used in applications requiring precise manual positioning or alignment of equipment, machinery, or systems. Elesa spoked handwheels are available with a foldaway revolving handle or no handle.

Features

- High-resilience polypropylene based technopolymer (PP)
- RoHS



VRTP-80-IR-A516



VRTP-125-A12

Spoked Handwheels								
Part Number	Price	Nominal Diameter	Bore Diameter	Handle Type	Material	For Use With	Weight grams [oz]	Drawing Link
VRTP-80-IR-A516	\$35.00	3in	5/16 in	Foldaway revolving handle	Polypropylene	Elesa DD5x imperial indicators	0.22 [0.008]	PDF
VRTP-100-IR-A38	\$49.00	4in	3/8 in				0.37 [0.013]	PDF
VRTP-125-IR-A38	\$51.00	5in	3/8 in				0.52 [0.018]	PDF
VRTP-160-IR-A12	\$56.00	6in	1/2 in				0.87 [0.030]	PDF
VRTP-200-IR-A58	\$66.00	8in	5/8 in				1.38 [0.048]	PDF
VRTP-80-A516	\$12.00	3in	5/16 in	N/A			0.16 [0.005]	PDF
VRTP-100-A38	\$14.00	4in	3/8 in				0.22 [0.008]	PDF
VRTP-125-A38	\$15.00	5in	3/8 in				0.36 [0.012]	PDF
VRTP-160-A12	\$20.00	6in	1/2 in				0.62 [0.021]	PDF
VRTP-200-A58	\$32.00	8in	5/8 in				1.08 [0.038]	PDF
VRTP-80-IR-A8	\$38.00	80mm	8mm	Foldaway revolving handle		Elesa DD5x metric indicators	102 [3.598]	PDF
VRTP-100-IR-A10	\$43.00	100mm	10mm				163 [5.749]	PDF
VRTP-125-IR-A12	\$45.00	125mm	12mm				230 [8.113]	PDF
VRTP-160-IR-A14	\$51.00	160mm	14mm				388 [13.686]	PDF
VRTP-200-IR-A16	\$62.00	200mm	16mm				593 [20.917]	PDF
VRTP-80-A8	\$11.00	80mm	8mm	N/A			74 [2.610]	PDF
VRTP-100-A10	\$12.00	100mm	10mm				100 [3.527]	PDF
VRTP-125-A12	\$14.00	125mm	12mm				160 [5.643]	PDF
VRTP-160-A14	\$20.00	160mm	14mm				275 [9.700]	PDF
VRTP-200-A16	\$30.00	200mm	16mm				460 [16.226]	PDF