

# SCHMERSAL Light Terminal Blocks



ELDE.Nxx230



ELDE.Nxx24



ELE



ELE230

Light Terminal Blocks									
Part Number	Color	Price	Qty.	Voltage	Wattage	Diagram	Function	Use With	
ELDE.NBL230	Blue	\$36.00	1	115 - 230 VAC	4		Integrated LED	NDL Series Pushbuttons	
ELDE.NBL24		\$19.50		24V AC/DC	0.4				
ELDE.NGB230	Yellow	\$36.00		115 - 230 VAC	4				
ELDE.NGB24		\$19.50		24V AC/DC	0.4				
ELDE.NGN230	Green	\$36.00		115 - 230 VAC	4				
ELDE.NGN24		\$19.50		24V AC/DC	0.4				
ELDE.NRT230	Red	\$36.00		115 - 230 VAC	4				
ELDE.NRT24		\$19.50		24V AC/DC	0.4				
ELDE.NWS230	White	\$36.00		115 - 230 VAC	4				
ELDE.NWS24		\$19.50		24V AC/DC	0.4				
ELE	-	\$8.25			24V AC/DC	1		Ba9S Lamp holder	NML Series Indicator Lights
ELE230	-	\$22.50			115 - 230 VAC	1			

Ba9S Bulbs for ELE and ELE230 Light Terminal Blocks							
Part Number	Color	Qty	Price	Lamp Voltage	Current Consumption	Power Consumption	Lamp Durability
APX510-24R	Red	2	\$13.50	24V AC/DC	12mA AC 11mA DC	0.8 W	30,000h
APX510-24G	Green		\$13.50				
APX510-24Y	Yellow		\$13.50				
APX510-24S	Blue		\$51.00				
APX510-24O	Orange		\$13.50				



APX510-24R

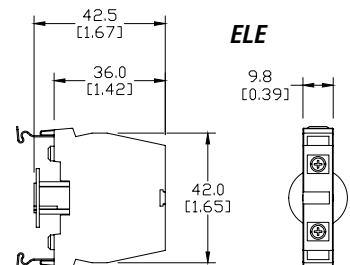
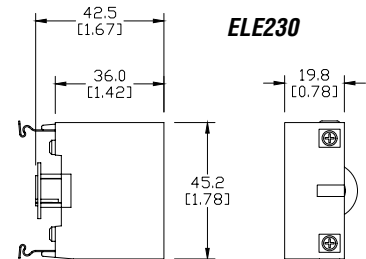
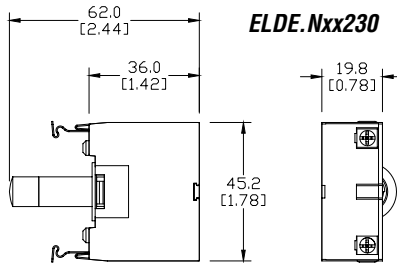
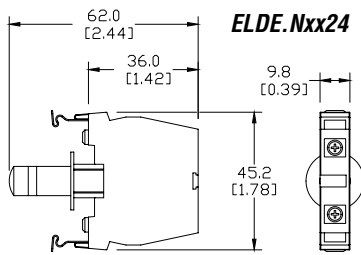
Replacement LED Lamps for ELE and ELE230 Light Terminal Blocks							
Part Number	Color	Qty	Price	Lamp Voltage	Current Consumption	Power Consumption	Lamp Durability
ECX1911-2	Red	2	\$16.00	24V AC/DC	14mA	0.6 W	100,000h
ECX1912-2	Green		\$20.00		13mA		
ECX1913-2	Yellow		\$16.00		13.3 mA		
ECX1914-2	Blue		\$21.50		13mA		
ECX1915-2	White		\$25.50		19mA		



ECX1915-2

NOTE: ELE230 has transformer to step down to 24V

## Dimensions mm [in]



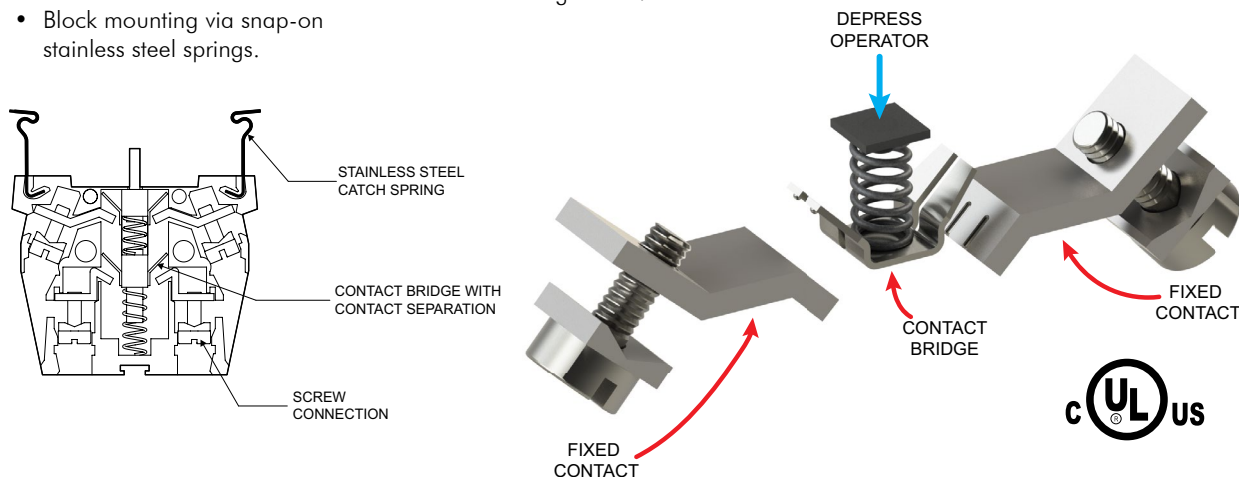
Please see our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings. Dimensions are approximate. Not for construction purposes.



# Contact Blocks and Light Terminal Blocks Overview

## Features

- A self-cleaning contact bridge system, known as Elan four-way system, which is particularly suitable for low voltage applications and has a lower switching capacity of 5VDC/3.2 mA (max. 400VAC/8A). It is designed in the form of a bent twin contact bridge, with parallel and also diagonal operation.
- Block mounting via snap-on stainless steel springs.
- Complete terminal designations visible at a glance in compliance with IEC 60 947-1 (VDE 0660, Part 100) with a complete function and sequence number (refer also to product ranges). The function number identifies the NC and NO contact. The sequence number specifies the number and the order of the contacts on the complete switching device.
- NC contacts with positive opening in compliance with IEC EN 60 947-5-1 (VDE 0660 Part 200).
- Galvanically isolated contact circuits in 2-pole blocks.
- High resistance to shock and vibrations.



Technical Specifications			
	Contact Blocks	Light Blocks (ELE)	Light Blocks (ELDE)
<b>General description</b>	Contact element	Light terminal block w/Ba9S base	Light terminal block w/LED
<b>Enclosure material</b>	Plastic, glass fiber reinforced	Plastic, glass fiber reinforced	Plastic, glass fiber reinforced
<b>Contact material</b>	Fine-silver, phosphor bronze or brass carrier	-	-
<b>Utilization category</b>	AC-15: 230 V / 8 A DC-13: 24 V / 5 A	-	-
<b>Suitability for low voltages</b>	≥ 5VDC / 3.2 mA	-	-
<b>Rated insulation voltage <math>U_i</math></b>	400V	440V	440V
<b>Rated impulse withstand voltage <math>U_{imp}</math></b>	4kV	-	-
<b>Thermal test current <math>I_{the}</math></b>	10A	-	-
<b>Max. fuse rating</b>	10A gG D-fuse slow blow	10A gG T-slow blow	10A gG T-slow blow
<b>Wire size</b>	0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup> (20 - 14 AWG)		
<b>Tightening torque wire connection</b>	Maximum 1 N·m (0.74 lb·ft)		
<b>NEMA contact rating</b>	A300 / P300	-	-
<b>Switching frequency</b>	1200 s/h	-	-
<b>Switching capacity</b>	5VDC / 3.2 mA (max 400VAC / 8A)	-	-
<b>Mechanical life</b>	10,000,000 operation	-	-
<b>Resistance to shock</b>	110 g/4ms to 30 g/18ms no bouncing	-	-
<b>Resistance to vibration</b>	> 20 g/10ms to 200Hz	-	-
<b>Ambient temperature</b>	-25°C to +80°C [-13°F to +176°F]		
<b>Ingress protection rating</b>	IP20 terminals / IP40 switching compartment	IP20 terminals	IP20 terminals
<b>Standards</b>	IEC 60947-5-1; IEC 60947-1; UL File E57648		