Product data sheet
Characteristics

ZBY9W3B140
Harmony, Illuminated ring Ø60, plastic, yellow, white or red integral LED, unmarked, 24 V AC/ DC



Main

Range of product	Harmony
Product or component type	Illuminated unmarked legend ring
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Cap/operator or lens colour	2 colours choice
Operator additional information	With illuminated ring
Light source	Protected LED
Bulb base	Integral LED
Light source colour	White or red
[Us] rated supply voltage	24 V AC/DC at 50/60 Hz
Device presentation	Intermediate ring

Complementary

Accessory / separate part destination	Emergency stop mushroom head push-button
Material	Plastic
Marking	Unmarked on yellow background
Label dimensions	Ø 60 mm
Height	60 mm
Width	9.3 mm
Net weight	0.016 kg
Electrical insulation class	Class II conforming to IEC 61140
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
[Ui] rated insulation voltage	24 V (pollution degree 3) conforming to EN/IEC 60947-1
Signalling type	Steady
Supply voltage limits	19.2…30 V DC 21.6…26.4 V AC
Current consumption	18 mA
Service life	100000 h at rated voltage and 25 °C
Surge withstand	1 kV conforming to IEC 61000-4-5
Compatibility code	XB4 XB5

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-40…70 °C
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69 conforming to IEC 60529 IP69K conforming to ISO 20653 Type 13 conforming to UL 50E Type 12 conforming to UL 50E Type 4 conforming to UL 50E Type 4X conforming to UL 50E
IK degree of protection	IK05 conforming to EN 50102
Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-5-4 UL 508 EN/IEC 60947-1 JIS C8201-5-1 JIS C8201-1
Product certifications	UL listed CSA
Vibration resistance	5 gn (f= 10…500 Hz) conforming to IEC 60068-2-6 25 mm peak to peak (f= 2…10 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27
Resistance to fast transients	2 kV conforming to IEC 61000-4-4
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3
Resistance to electrostatic discharge	4 KV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2
Electromagnetic emission	Class B conforming to IEC 55011

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	21 g
Package 1 Height	2 cm
Package 1 width	6 cm
Package 1 Length	6 cm
Unit Type of Package 2	S01
Number of Units in Package 2	50
Package 2 Weight	1.416 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

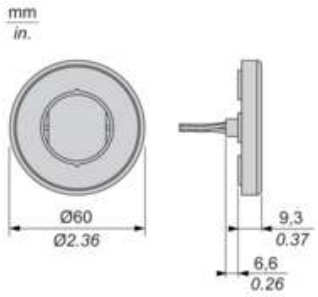
Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

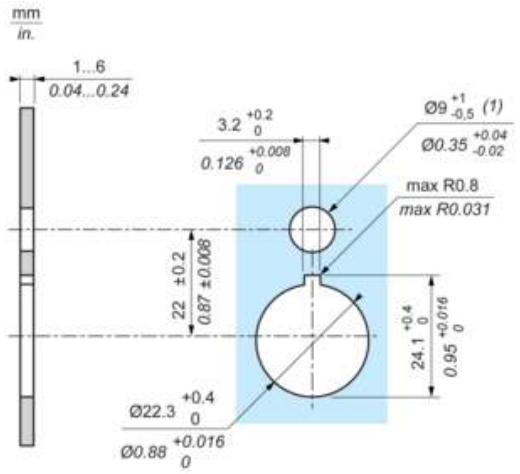
Contractual warranty

Warranty	18 months

Dimensions

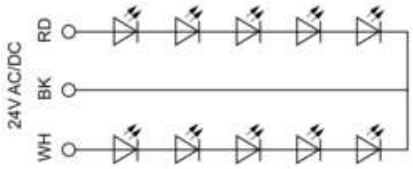


Mounting and Clearance



(1) : For IP X9 applications, the max recommendation dimension of hole is Ø9 mm/Ø0.35 in.

Wiring Diagram



RD : Red
BK : Black
WH : White