

Panel Mounting
hole diameter

Material

Material: PC
 Film: EPTFE
 Sealing: NBR, EPDM
 IP rating: IP67
 Thread: M8x1.0
 Panel Mounting: $\phi 12$ or M8x1.0
 Temp. Range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
 breathable valve Range: 500ml/minute
 Maximum torque: 8Kgf.cm Max.

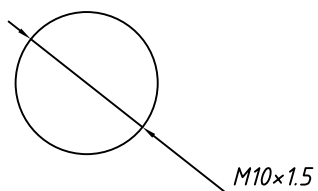
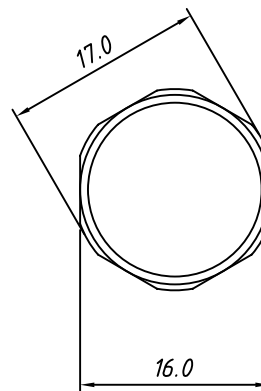
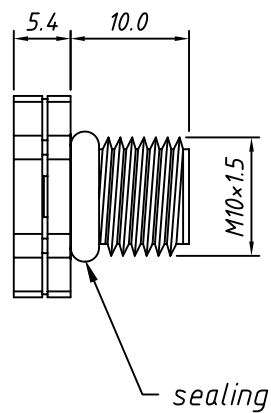
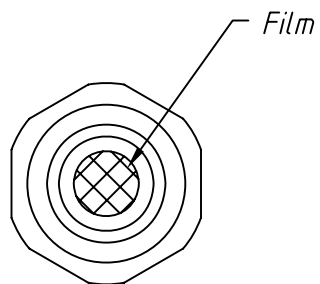
Order Information

L-KLS8-VA02 M0801-x

Color: 1- Black
 2- White Gray

Thread code
 Waterproof breathable valve
 RoHS

GENERAL TOLERANCE		ANGLE TOLERANCE		Description:	
X. ± 0.60		X. $\pm 5^{\circ}$		M8x1.0 waterproof breathable valve	
.X ± 0.38		.X $\pm 3^{\circ}$			
.XX ± 0.25		.XX $\pm 2^{\circ}$			
Draw	2018-01-20	PROJECTION		KLS P/N:	KLS8-VA02M0801-x
Check	2018-01-20	UNITS	mm	NingBo KLS ELECTRONIC CO.,L TD.	
SCALE		SHEET SIZE	A4		



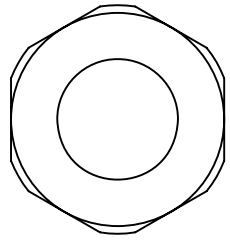
Panel Mounting
hole diameter

Material
Material: PC
Film: EPTFE
Sealing: NBR, EPDM
IP rating: IP67
Thread: M10×1.5
Panel Mounting: M10×1.5
Temp. Range: -40 °C ~ + 125 °C
breathable valve Range: 900ml/minute
Maximum torque: 10Kgf.cm Max.

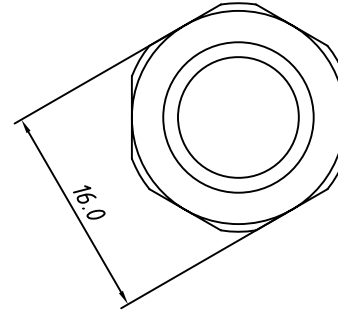
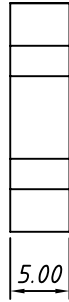
Order Information

L-KLS8-VA02 M1001-x
Color: 1- Black
2- White Gray
Thread code
Waterproof breathable valve
RoHS

GENERAL TOLERANCE		ANGLE TOLERANCE		Description:	
X.	±0.60	X.	±5°	M10×1.5 waterproof breathable valve	
.X	±0.38	.X	±3°		
.XX	±0.25	.XX	±2°		
Draw	2018-01-20	PROJECTION		KLS P/N:	KLS8-VA02M1001-x
Check	2018-01-20	UNITS	mm	NingBo KLS ELECTRONIC CO.,L TD.	
SCALE		SHEET SIZE	A4		

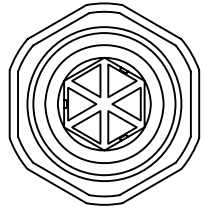


Nut

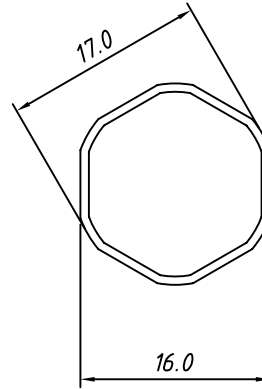
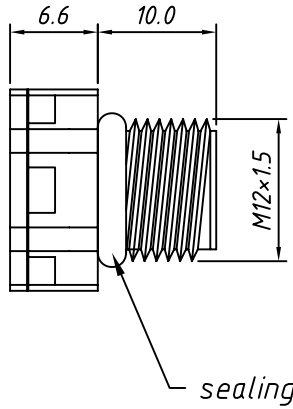


Material

Nut and Body Material:	PC
Film:	EPTFE
Sealing:	NBR, EPDM
IP rating:	IP67
Thread:	M12×1.5
Panel Mounting:	Ø12 or M12×1.5
Temp. Range:	-40 °C ~ +110 °C
breathable valve Range:	3500ml/minute Max.
Maximum torque:	8Kgf.cm Max.



body



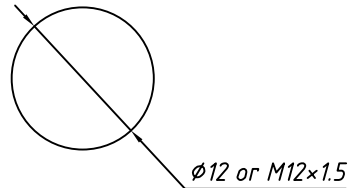
Order Information

L-KLS8-VA02 M1202-x 0

Nut: 0- With Nut
1- Without Nut

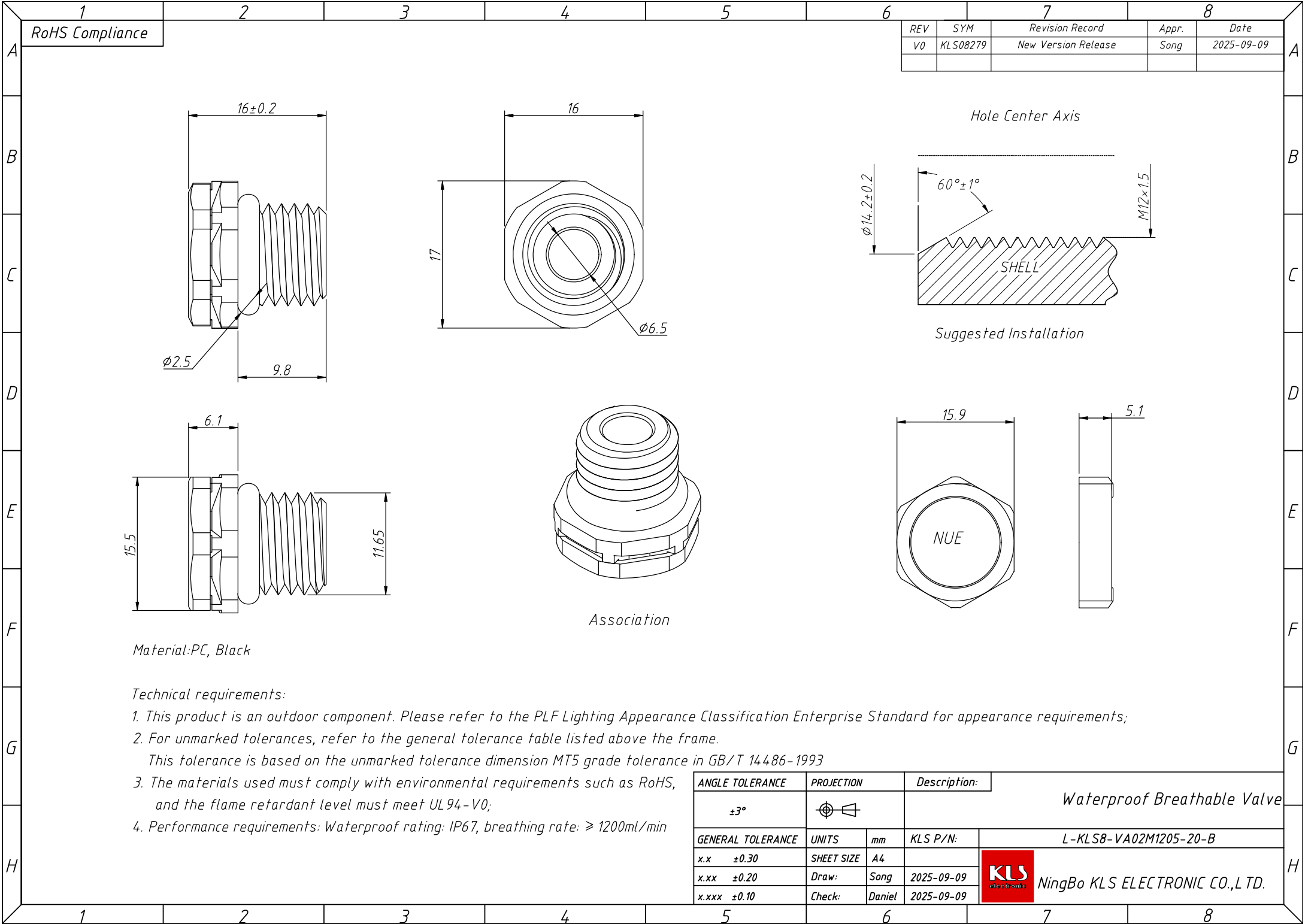
Color: 1- Black
2- White Gray

Thread code
Waterproof breathable valve
RoHS



Panel Mounting
hole diameter

GENERAL TOLERANCE		ANGLE TOLERANCE		Description:	
X. ±0.60		X. ±5°		M12×1.5 waterproof breathable valve	
.X ±0.38		.X ±3°			
.XX ±0.25		.XX ±2°			
Draw	2018-01-20	PROJECTION		KLS P/N:	KLS8-VA02M1202-x0
Check	2018-01-20	UNITS	mm	NingBo KLS ELECTRONIC CO.,L TD.	
SCALE		SHEET SIZE	A4		



1
RoHS Compliance

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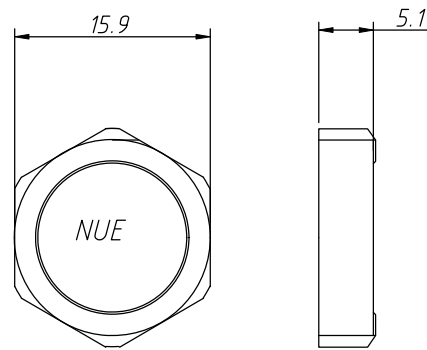
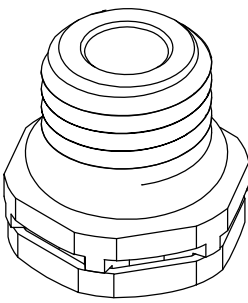
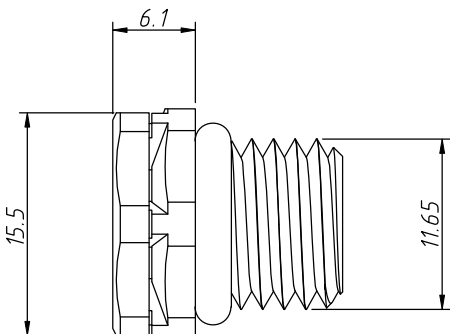
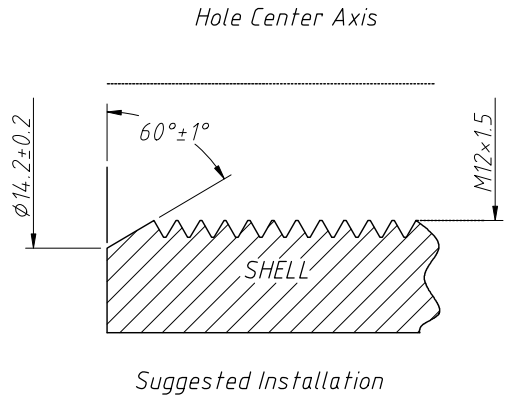
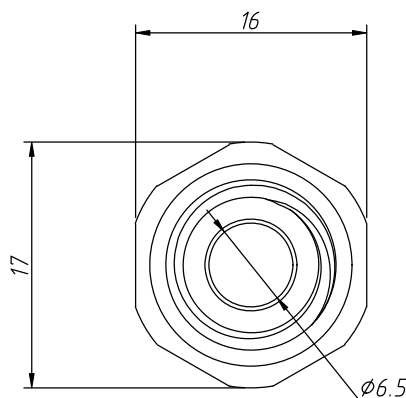
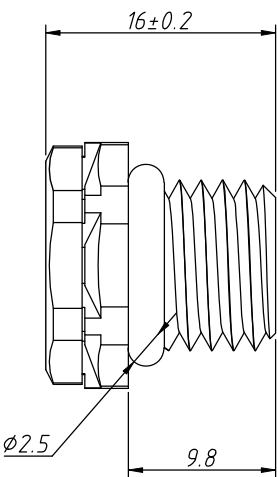
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REV	SYM	Revision Record	Appr.	Date
V0	KLS08279	New Version Release	Song	2025-09-09



Material:PC, Black

Technical requirements:

1. This product is an outdoor component. Please refer to the PLF Lighting Appearance Classification Enterprise Standard for appearance requirements;
2. For unmarked tolerances, refer to the general tolerance table listed above the frame.
This tolerance is based on the unmarked tolerance dimension MT5 grade tolerance in GB/T 14486-1993
3. The materials used must comply with environmental requirements such as RoHS, and the flame retardant level must meet UL94-V0;
4. Performance requirements: Waterproof rating: IP67, breathing rate: ≥ 1200ml/min

ANGLE TOLERANCE	PROJECTION	Description:	Waterproof Breathable Valve	
±3°				
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS8-VA02M1205-20-B
x.x ±0.30	SHEET SIZE	A4		
x.xx ±0.20	Draw:	Song	2025-09-09	NingBo KLS ELECTRONIC CO.,L TD.
x.xxx ±0.10	Check:	Daniel	2025-09-09	