

Control Knobs for Panel Potentiometers



FEATURES

- Large knob diameter range
- Designed to provide good grip for bare hands or gloves
- With lateral screw fixing
- Plastic or aluminum material
- Custom metallic knob on request (shape, marking, color, and hole for shaft diameter)
- Phosphorescent marking on request
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

RoHS
COMPLIANT

LINKS TO ADDITIONAL RESOURCES

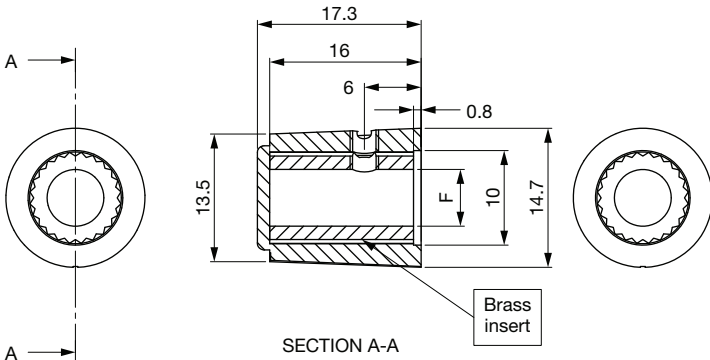


Control knobs suited for panel potentiometers, encoders and rotary switches. Whether the user wears gloves or operates with bare hands, the knob's haptic structure and pleasant grip surface reliably apply the necessary torque to the potentiometer shaft across all application situations.

CONTROL KNOB INDEX		
	PLASTIC CONTROL KNOBS	METALLIC CONTROL KNOBS
ROUND RANGE	 Page 2	 Page 8
POINTER RANGE	 Page 7	 Page 11
SKIRTED RANGE	 Page 4	 Page 13

[For "Quick Search / Available Series" table see page 16](#)

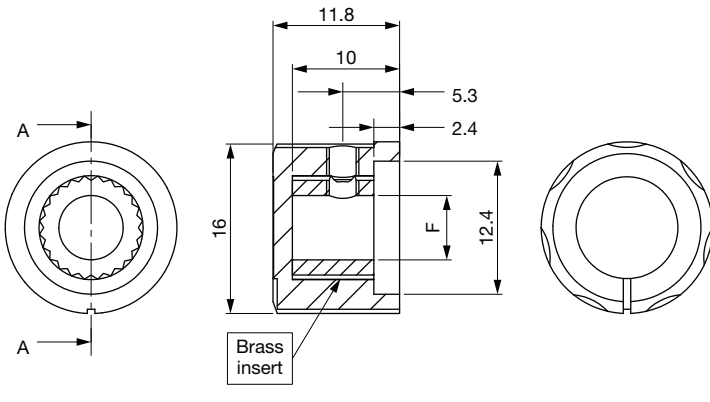
PLASTIC CONTROL KNOBS - ROUND RANGE

SERIES  PR1417NLS		
SPECIFICATION - Material: plastic (ABS) - Product color: black - Indicator: white line on side - With lateral screw fixing		
PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKPR1417NLS18	1/8" (3.175)	M3 hex tool
ACCKPR1417NLS14	1/4" (6.35)	
ACCKPR1417NLS3	3	
ACCKPR1417NLS6	6	

SERIES



IR1612NLP



SECTION A-A

SPECIFICATION		
- Material: plastic (ABS) with aluminum top inlay - Product color: black - Indicator: white line on side and top - With lateral screw fixing		
PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKIR1612NLP18	1/8" (3.175)	Slotted tool
ACCKIR1612NLP14	1/4" (6.35)	
ACCKIR1612NLP3	3	
ACCKIR1612NLP6	6	

SERIES

PR1817NLT

PR1417NLT

SPECIFICATION

- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top
- With lateral screw fixing

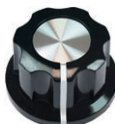
PART NUMBER	DIMENSIONS in millimeters						TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	
ACCKPR1817NLT18	1/8" (3.175)	18.4	17.4	16.2	2.4	14.7	Slotted tool
ACCKPR1817NLT14	1/4" (6.35)						
ACCKPR1817NLT3	3						
ACCKPR1817NLT6	6						
ACCKPR1417T18	1/8" (3.175)	13.8	16.6	14.6	0	9.5	Slotted tool
ACCKPR1417NLT14	1/4" (6.35)						
ACCKPR1417T3	3						
ACCKPR1417NLT6	6						

PLASTIC CONTROL KNOBS - SKIRTED RANGE

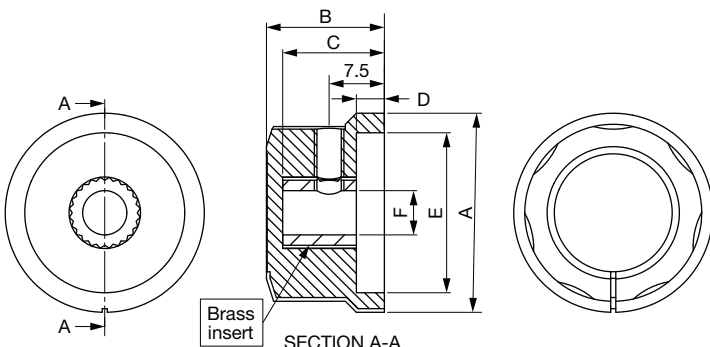
SERIES



IS2716NLD



IS2012NLD



SPECIFICATION

Material: plastic (ABS) with aluminum top inlay

Product color: black

Indicator: white line on side, top, and skirt

With lateral screw fixing

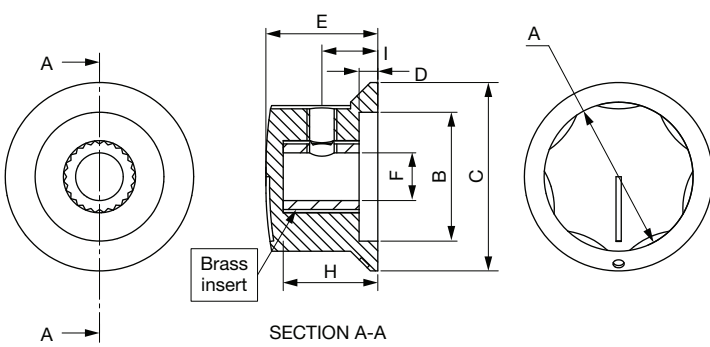
PART NUMBER	DIMENSIONS in millimeters						TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	
ACCKIS2716NLD18	1/8" (3.175)	27	16	13.8	3.8	21.7	Slotted tool
ACCKIS2716NLD14	1/4" (6.35)						
ACCKIS2716NLD6	6						
ACCKIS2012NLD18	1/8" (3.175)	20	12	10	1.8	13.8	Slotted tool
ACCKIS2012NLD14	1/4" (6.35)						
ACCKIS2012NLD3	3						
ACCKIS2012NLD6	6						

SERIES



PS2015NLR
 

PS1412NLR



SPECIFICATION

- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top, and skirt
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters								TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	H	I	
ACCKPS2015NLR18	1/8" (3.175)	20	17.3	25.3	1.5	15	12.7	7	Slotted tool
ACCKPS2015NLR14	1/4" (6.35)								
ACCKPS2015NLR3	3								
ACCKPS2015NLR6	6								
ACCKPS1412NLR18	1/8" (3.175)	14.3	13.8	19	2.5	12.3	10	5.5	Slotted tool
ACCKPS1412NLR14	1/4" (6.35)								
ACCKPS1412NLR3	3								
ACCKPS1412NLR6	6								

SERIES

PS1715NLT

SPECIFICATION

- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top and dot on skirt
- With lateral screw fixing

PART NUMBER

ACCKPS1715NLT18

ACCKPS1715NLT14

ACCKPS1715NLT3

ACCKPS1715NLT6

SHAFT DIAM. "F"

1/8" (3.175)

1/4" (6.35)

3

6

TOOL FOR LATERAL SCREW FIXING

Slotted tool

SERIES

PS1515NDT

SPECIFICATION

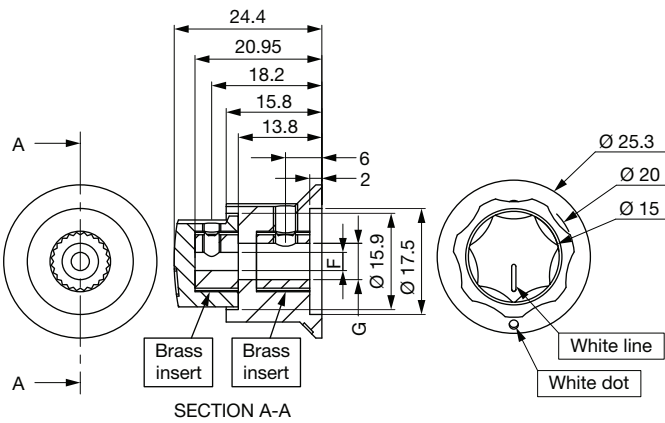
- Material: plastic (ABS)
- Product color: black
- Indicator: white dot on top
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters						TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	
ACCKPS1515NDT18	1/8" (3.175)	15	15	13.2	7.5	11.5	Slotted tool
ACCKPS1515NDT14	1/4" (6.35)						
ACCKPS1515NDT3	3						
ACCKPS1515NDT6	6						

SERIES



PS2024NLR

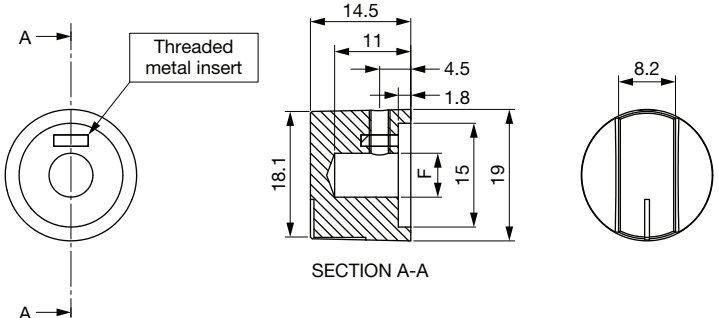


SPECIFICATION

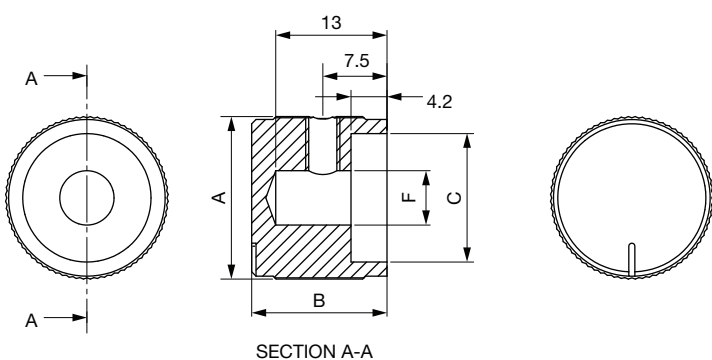
- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top and skirt
- With lateral screw fixing

PART NUMBER (DUAL ASSEMBLY)	TOOL FOR LATERAL SCREW FIXING (DUAL ASSEMBLY)	KNOB TYPE (SINGLE KNOBS)	PART NUMBER (SINGLE KNOBS)	DIMENSIONS in millimeters		TOOL FOR LATERAL SCREW FIXING (SINGLE KNOBS)
				SHAFT DIAM. "F"	SHAFT DIAM. "G"	
ACCKPS2024NLRDV	M3 + M4 hex tool	Bottom	ACCKPS2016NLKBV	-	6	M4 hex tool
		Top	ACCKPS1511NLT3	3	-	M3 hex tool
ACCKPS2024NLRDF		Bottom	ACCKPS2016NLKBF	-	6.35	M4 hex tool
		Top	ACCKPS1511NLT18	3.17	-	M3 hex tool

PLASTIC CONTROL KNOBS - POINTER RANGE

SERIES  PP1915NLP			
SPECIFICATION - Material: plastic (ABS) - Product color: black - Indicator: white line on top and side - With lateral screw fixing			
PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING	
ACCKPP1915NLP18	1/8" (3.175)	Slotted tool	
ACCKPP1915NLP14	1/4" (6.35)		
ACCKPP1915NLP3	3		
ACCKPP1915NLP6	6		

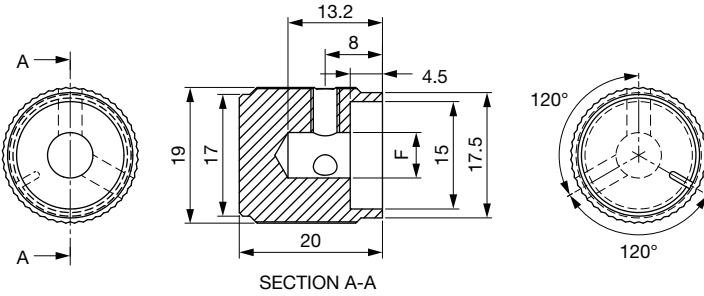
METALLIC CONTROL KNOBS - ROUND RANGE

SERIES  MR1316NLT  MR1916NLT	
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SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: white line on top
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters				TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	
ACCKMR1316NLT18	1/8" (3.175)	12.8	15.8	9.5	M4 hex tool
ACCKMR1316NLT14	1/4" (6.35)				
ACCKMR1316NLT3	3				
ACCKMR1316NLT6	6				
ACCKMR1916NLT18	1/8" (3.175)	19	15.8	15	M4 hex tool
ACCKMR1916NLT14	1/4" (6.35)				
ACCKMR1916NLT3	3				
ACCKMR1916NLT6	6				

SERIES  MR1920NLT	
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SPECIFICATION

- Material: aluminum
- Product color: black
- Indicator: white line on top
- With lateral screw fixing

PART NUMBER	SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKMR1920NLT18	1/8" (3.175)	M4 hex tool
ACCKMR1920NLT14	1/4" (6.35)	
ACCKMR1920NLT3	3	
ACCKMR1920NLT6	6	

SERIES



MR1617NLT



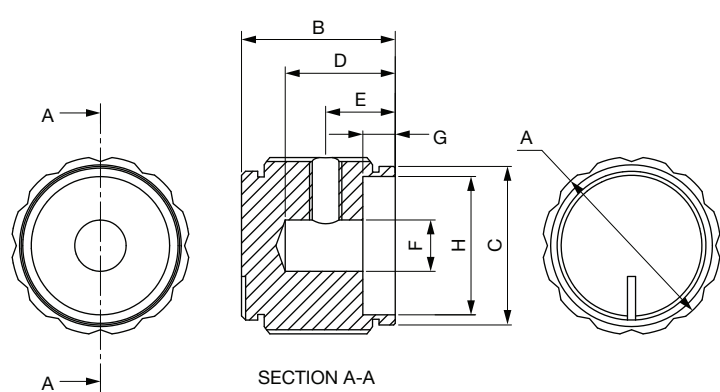
MR2020NLT



MR2219NLT



MR3022NLT



SPECIFICATION

- Material: aluminum
- Product color: black

- Indicator: white line on top
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters								TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	D	E	G	H	
ACCKMR1617NLT18	1/8" (3.175)	15.5	16.5	13.5	14.5	8.4	4.5	11	M4 hex tool
ACCKMR1617NLT14	1/4" (6.35)								
ACCKMR1617NLT3	3								
ACCKMR1617NLT6	6								
ACCKMR2020NLT18	1/8" (3.175)	20	19.5	17.5	15	9.1	5.5	15	M4 hex tool
ACCKMR2020NLT14	1/4" (6.35)								
ACCKMR2020NLT3	3								
ACCKMR2020NLT6	6								
ACCKMR2219NLT18	1/8" (3.175)	22	19	19.6	13.6	8.6	4	15	M4 hex tool
ACCKMR2219NLT14	1/4" (6.35)								
ACCKMR2219NLT3	3								
ACCKMR2219NLT6	6								
ACCKMR3022NLT14	1/4" (6.35)	29.7	22	28	11.6	8	4.2	25	M4 hex tool
ACCKMR3022NLT6	6								

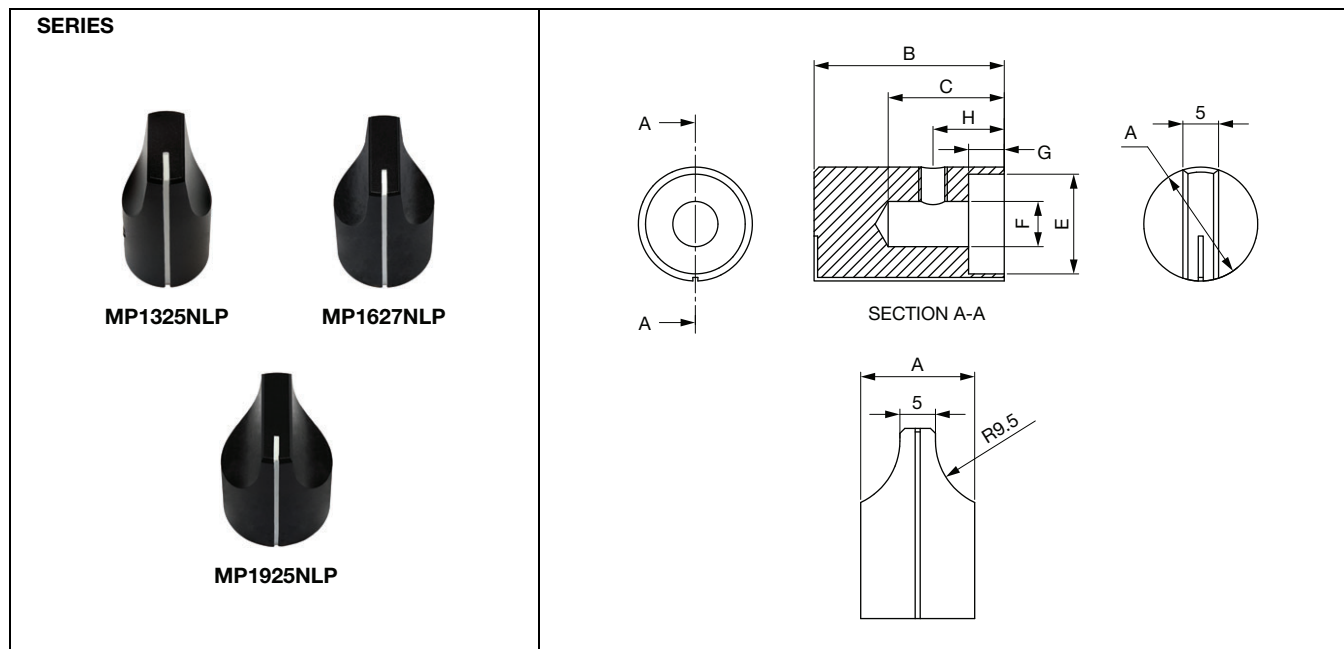
SERIES

MR1922NLP

SPECIFICATION

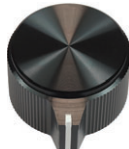
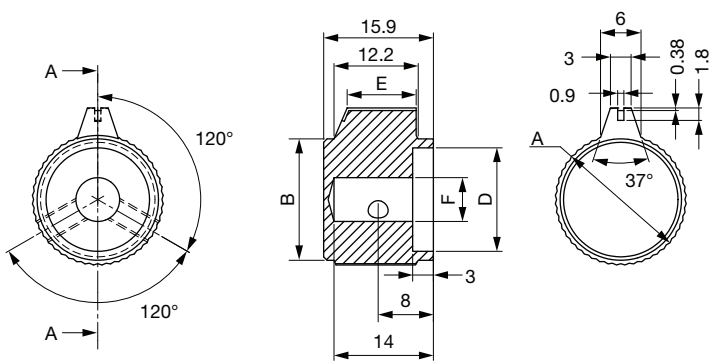
- Material: aluminum
- Product color: black
- Indicator: white line on top and side
- With lateral screw fixing

PART NUMBER (DUAL ASSEMBLY)	TOOL FOR LATERAL SCREW FIXING (DUAL ASSEMBLY)	KNOB TYPE (SINGLE KNOBS)	PART NUMBER (SINGLE KNOBS)	DIMENSIONS in millimeters		TOOL FOR LATERAL SCREW FIXING (SINGLE KNOBS)
				SHAFT DIAM. "F"	SHAFT DIAM. "G"	
ACCKMR1922NLPDA	6-32 hex tool	Bottom	ACCKMR1910NLPBA	-	3.17	6-32 hex tool
		Top	ACCKMR1314NLP07	1.8	-	
ACCKMR1922NLPDV	6-32 hex tool	Bottom	ACCKMR1910NLPBV	-	6	6-32 hex tool
		Top	ACCKMR1314NLP3	3	-	
ACCKMR1922NLPDF	6-32 hex tool	Bottom	ACCKMR1910NLPBF	-	6.35	6-32 hex tool
		Top	ACCKMR1314NLP18	3.17	-	

METALLIC CONTROL KNOBS - POINTER RANGE

SPECIFICATION

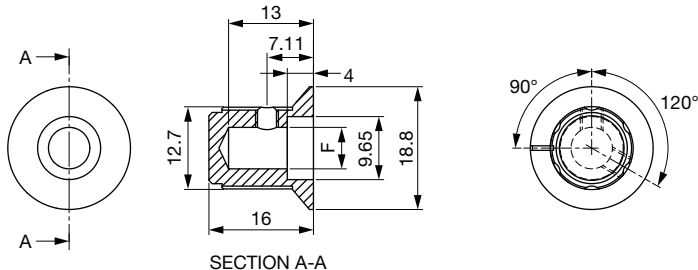
- Material: aluminum
- Product color: black

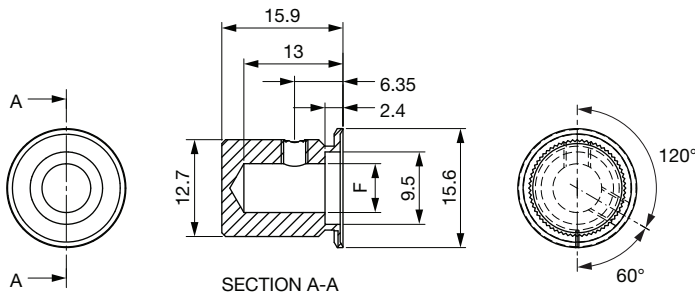
PART NUMBER	DIMENSIONS in millimeters							TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	E	G	H	
ACCKMP1325NLP18	1/8" (3.175)	12.7	25.4	13	9.5	4.5	7.5	6-32 hex tool
ACCKMP1325NLP14	1/4" (6.35)							
ACCKMP1325NLP3	3							
ACCKMP1325NLP6	6							
ACCKMP1627NLP18	1/8" (3.175)	16	26.7	16.3	14.1	5	10.5	6-32 hex tool
ACCKMP1627NLP14	1/4" (6.35)							
ACCKMP1627NLP3	3							
ACCKMP1627NLP6	6							
ACCKMP1925NLP18	1/8" (3.175)	19	25.4	13	15	4.5	7.5	6-32 hex tool
ACCKMP1925NLP14	1/4" (6.35)							
ACCKMP1925NLP3	3							
ACCKMP1925NLP6	6							

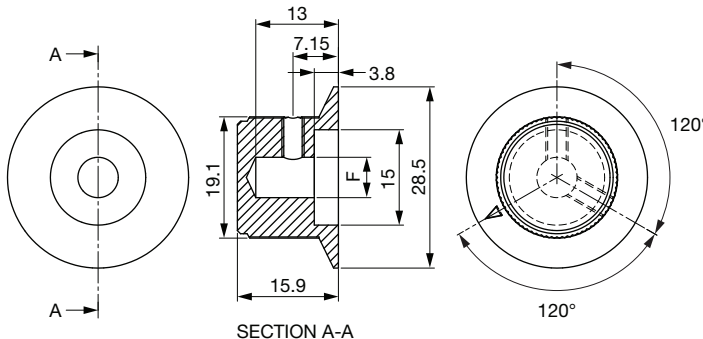
SERIES  MP1316NLS  MP1916NLS  MP2416NLS	 SECTION A-A
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SPECIFICATION						
- Material: aluminum - Product color: black - Indicator: white line on side - With lateral screw fixing						
PART NUMBER	DIMENSIONS in millimeters					TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	D	E	
ACCKMP1316NLS18	1/8" (3.175)	12.7	11.3	9.5	9	6-32 hex tool
ACCKMP1316NLS14	1/4" (6.35)					
ACCKMP1316NLS3	3					
ACCKMP1316NLS6	6					
ACCKMP1916NLS18	1/8" (3.175)	19	17.6	15	10	6-32 hex tool
ACCKMP1916NLS14	1/4" (6.35)					
ACCKMP1916NLS3	3					
ACCKMP1916NLS6	6					
ACCKMP2416NLS18	1/8" (3.175)	23.8	22.4	17.6	9.5	6-32 hex tool
ACCKMP2416NLS14	1/4" (6.35)					
ACCKMP2416NLS6	6					


METALLIC CONTROL KNOBS - SKIRTED RANGE

SERIES  MS1316NLD 		
SPECIFICATION • Material: aluminum • Product color: black • Indicator: white line on side and skirt • With lateral screw fixing		
PART NUMBER	DIMENSIONS in millimeters SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKMS1316NLD18	1/8" (3.175)	6-32 hex tool
ACCKMS1316NLD14	1/4" (6.35)	
ACCKMS1316NLD3	3	
ACCKMS1316NLD6	6	

SERIES  MS1316NLK		 SECTION A-A	
SPECIFICATION • Material: aluminum • Product color: black • Indicator: white line on side and top • With lateral screw fixing			
PART NUMBER		SHAFT DIAM. "F"	TOOL FOR LATERAL SCREW FIXING
ACCKMS1316NLK18		1/8" (3.175)	6-32 hex tool
ACCKMS1316NLK14		1/4" (6.35)	
ACCKMS1316NLK3		3	
ACCKMS1316NLK6		6	

SERIES  MS1916NAS		 SECTION A-A			
SPECIFICATION - Material: aluminum - Product color: black - Indicator: arrow on skirt - With lateral screw fixing					
PART NUMBER		DIMENSIONS in millimeters		TOOL FOR LATERAL SCREW FIXING 6-32 hex tool	
		SHAFT DIAM. "F"			
ACCKMS1916NAS18		1/8" (3.175)			
ACCKMS1916NAS14		1/4" (6.35)			
ACCKMS1916NAS3		3			
ACCKMS1916NAS6		6			


METALLIC CONTROL KNOBS - SKIRTED RANGE

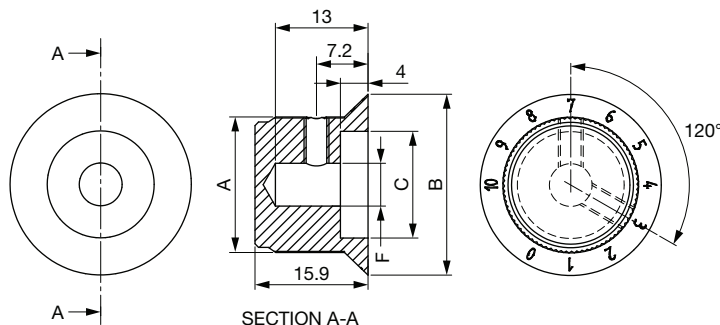
SERIES



MS1316NGJ



MS1916NGJ



SECTION A-A

SPECIFICATION

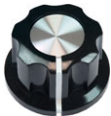
- Material: aluminum
- Product color: black

- Indicator: graduation to 10
- With lateral screw fixing

PART NUMBER	DIMENSIONS in millimeters				TOOL FOR LATERAL SCREW FIXING
	SHAFT DIAM. "F"	A	B	C	
ACCKMS1316NGJ18	1/8" (3.175)	12.7	17.5	9.5	6-32 hex tool
ACCKMS1316NGJ14	1/4" (6.35)				
ACCKMS1316NGJ3	3				
ACCKMS1316NGJ6	6				
ACCKMS1916NGJ18	1/8" (3.175)	19.1	25.4	15	6-32 hex tool
ACCKMS1916NGJ14	1/4" (6.35)				
ACCKMS1916NGJ3	3				
ACCKMS1916NGJ6	6				

QUICK SEARCH / AVAILABLE SERIES											
SERIES	SHAFT DIAMETER				DIAMETER (mm)	HEIGHT (mm)	IMAGE	MATERIAL	RANGE	COLOR	INDICATOR
	3 mm	1/4" (6.35 mm)	1/8" (3.175 mm)	6 mm							
MS1316NLD	✓	✓	✓	✓	12.7	16		Aluminum	Skirted	Black	Line on side and skirt
MP1316NLS	✓	✓	✓	✓	12.7	15.9		Aluminum	Pointer	Black	Line on side
MS1316NLK	✓	✓	✓	✓	12.7	15.9		Aluminum	Skirted	Black	Line on skirt
MS1316NGJ	✓	✓	✓	✓	12.7	15.9		Aluminum	Skirted	Black	Graduation to 10
MP1325NLP	✓	✓	✓	✓	12.7	25.4		Aluminum	Pointer	Black	Line on top and side
MR1316NLT	✓	✓	✓	✓	12.8	15.8		Aluminum	Round	Black	Line on top
PR1417NLS	✓	✓	✓	✓	13.5	17.3		ABS	Round	Black	Line on side
PR1417NLT		✓	✓	✓	13.8	16.6		ABS	Round	Black	Line on top
PS1412NLR	✓	✓	✓	✓	14.3	12.3		ABS	Skirted	Black	Line on top and skirt
PS1515NDT	✓	✓	✓	✓	15	15		ABS	Skirted	Black	Dot on top
MR1617NLT	✓	✓	✓	✓	15.5	16.5		Aluminum	Round	Black	Line on top

QUICK SEARCH / AVAILABLE SERIES											
SERIES	SHAFT DIAMETER				DIAMETER (mm)	HEIGHT (mm)	IMAGE	MATERIAL	RANGE	COLOR	INDICATOR
	3 mm	1/4" (6.35 mm)	1/8" (3.175 mm)	6 mm							
IR1612NLP	✓	✓	✓	✓	16	11.8		ABS	Round	Black	Line on top and side
MP1627NLP	✓	✓	✓	✓	16	26.7		Aluminum	Pointer	Black	Line on top and side
PS1715NLT	✓	✓	✓	✓	16.6	15		ABS	Skirted	Black	Line on top
PR1817NLT	✓	✓	✓	✓	18.4	17.4		ABS	Round	Black	Line on top
PP1915NLP	✓	✓	✓	✓	19	14.5		ABS	Pointer	Black	Line on top and side
MR1916NLT	✓	✓	✓	✓	19	15.8		Aluminum	Round	Black	Line on top
MP1916NLS	✓	✓	✓	✓	19	15.9		Aluminum	Pointer	Black	Line on side
MR1920NLT	✓	✓	✓	✓	19	20		Aluminum	Round	Black	Line on top
MP1925NLP	✓	✓	✓	✓	19	25.4		Aluminum	Pointer	Black	Line on top and side
MR1916NGJ	✓	✓	✓	✓	19.1	15.9		Aluminum	Round	Black	Graduation to 10
MS1916NAS	✓	✓	✓	✓	19.1	15.9		Aluminum	Skirted	Black	Arrow on skirt

QUICK SEARCH / AVAILABLE SERIES											
SERIES	SHAFT DIAMETER				DIAMETER (mm)	HEIGHT (mm)	IMAGE	MATERIAL	RANGE	COLOR	INDICATOR
	3 mm	1/4" (6.35 mm)	1/8" (3.175 mm)	6 mm							
IS2012NLD	✓	✓	✓	✓	20	12		ABS	Skirted	Black	Line on side and skirt
PS2015NLR	✓	✓	✓	✓	20	15		ABS	Skirted	Black	Line on top and skirt
MR2020NLT	✓	✓	✓	✓	20	19.5		Aluminum	Round	Black	Line on top
MR2219NLT	✓	✓	✓	✓	22	19		Aluminum	Round	Black	Line on top
MP2416NLS		✓	✓	✓	23.8	15.9		Aluminum	Pointer	Black	Line on side
IS2716NLD		✓	✓	✓	27	16		ABS	Skirted	Black	Line on side and skirt
MR3022NLT		✓		✓	29.7	22		Aluminum	Round	Black	Line on top

QUICK SEARCH / AVAILABLE DUAL SERIES												
SERIES	SHAFT DIAMETER					DIAMETER (mm)	HEIGHT (mm)	IMAGE	MATERIAL	RANGE	COLOR	INDICATOR
	1.8 mm	3 mm	1/4" (6.35 mm)	1/8" (3.175 mm)	6 mm							
PS2024NLR		✓	✓	✓	✓	20	24		ABS	Skirted	Black	Line on side and skirt
MR1922NLP	✓	✓	✓	✓	✓	19	22		Aluminum	Round	Black	Line on top and side

MECHANICAL SPECIFICATIONS

Locking system	Lateral screw fixing
Knob hole shape for the shaft	Round
Plastic knob material	ABS
Metallic knob material	Aluminum

Notes

- For control knob customization need, knob shape, marking, color, and hole of the shaft diameter can be customized on metallic versions to meet customer requirements. For plastic knobs, only the markings and knob color can be customized to meet customer requirements.
- For knobs compatibilities with panel potentiometers portfolio: refer to application note "Control Knobs" www.vishay.com/doc?51104
- Nothing stated herein shall be construed as a guarantee of quality or durability

OPTION ON REQUEST: PHOSPHORESCENT MARKING

White marking (dot, line, ...) glows in the dark.

After being charged by light for about 10 minutes, they will glow in the dark. The longer the charging time, the longer the glow duration.

Ordering information special code: **PHO**


ORDERING INFORMATION (part number)

A	C	C	K	P	R	1	9	1	4	N	L	T	6				
MODEL	MATERIAL	KNOB RANGE		KNOB DIAMETER		KNOB HEIGHT		COLOR		INDICATOR		SHAFT DIAMETER		SPECIAL NUMBER			
ACCK	P = plastic M = metallic I = plastic with aluminum insert (on request)	R = round P = pointer S = skirted		From 10 mm to 35 mm Unit: mm (for Dual knob = bottom diameter)		From 12 mm to 27 mm Unit: mm (for Dual knob = total height)		N = black On request: W = white G = grey B = blue R = red Y = yellow N = green S = silver		LT = line on top LS = line on side LP = line on top and side LR = line on top and skirt LK = line on skirt LD = line on side and skirt DT = dot on top DS = dot on skirt AS = arrow on skirt AT = arrow on top GJ = graduation to 10		3 = 3 mm 18 = 3.17 mm (1/8") 6 = 6 mm 14 = 6.35 mm (1/4") On request: 4 = 4 mm 07 = 1.8 mm (0.07") For Dual DV = bottom knob 6 mm / top knob 3 mm DF = bottom knob 6.35 mm / top knob 3.17 mm DA = bottom knob 3.17 mm / top knob 1.8 mm BV = bottom knob 6 mm BF = bottom knob 6.35 mm (1/4") BA = bottom knob 3 mm		(If applicable) Given by Vishay for custom design			
														SPECIAL NUMBER FOR OPTION			
														PHO: phosphorescent marking			
SERIES																	



PART NUMBER DESCRIPTION (for information only)							
ACCK	P	R	19	14	N	LT	14
MODEL	MATERIAL	KNOB RANGE	KNOB DIAMETER	KNOB HEIGHT	COLOR	INDICATOR	SHAFT DIAMETER
SERIES							

RELATED DOCUMENTS	
APPLICATION NOTES	
Control Knobs	www.vishay.com/doc?51104
Potentiometers and Trimmers	www.vishay.com/doc?51001
Guidelines for Vishay Sfernice Resistive and Inductive Components	www.vishay.com/doc?52029
OTHER	
Link to Panel Potentiometers Portfolio	www.vishay.com/en/potentiometers/



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