

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)
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

RoHS
COMPLIANT

LINKS TO ADDITIONAL RESOURCES



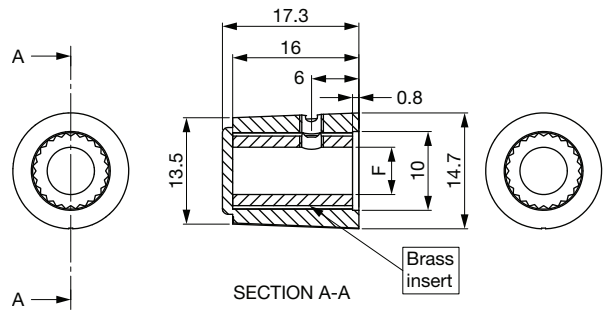
Control knobs suited for panel potentiometers, encoders and rotary switches. Whether the user wears gloves or operates with bare hands, the knob's haptic structure and pleasant grip surface reliably apply the necessary torque to the potentiometer shaft across all application situations.

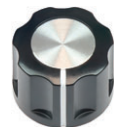
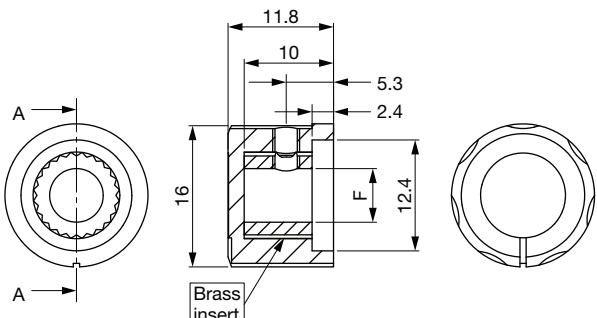
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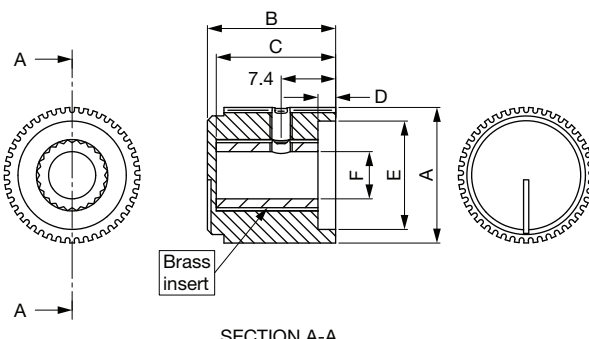
For "Quick Search / Available Series" table see [page 12](#)

PLASTIC CONTROL KNOBS

ROUND RANGE

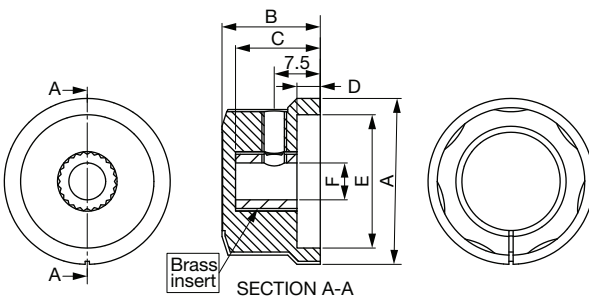
SERIES  PR1417NLS	
SPECIFICATION - Material: plastic (ABS) - Indicator: white line on side - Product color: black - With lateral screw fixing	
	
PART NUMBER	SHAFT DIAM. "F"
ACCKPR1417NLS18	1/8" (3.175)
ACCKPR1417NLS14	1/4" (6.35)
ACCKPR1417NLS3	3
ACCKPR1417NLS6	6

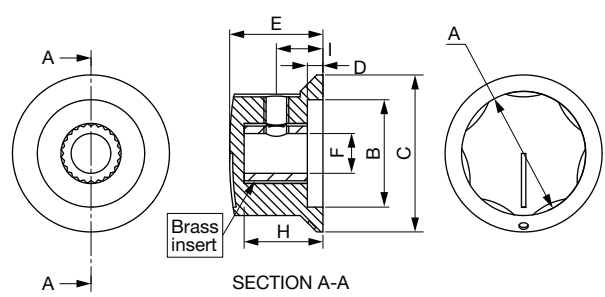
SERIES  IR1612NLP	
SPECIFICATION - Material: plastic (ABS) - Indicator: white line on side and top - Product color: black - With lateral screw fixing	
	
PART NUMBER	SHAFT DIAM. "F"
ACCKIR1612NLP18	1/8" (3.175)
ACCKIR1612NLP14	1/4" (6.35)
ACCKIR1612NLP3	3
ACCKIR1612NLP6	6

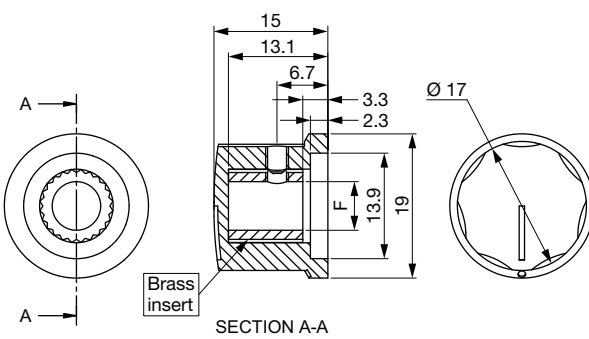
SERIES  PR1817NLT  PR1417NLT						
SPECIFICATION - Material: plastic (ABS) - Product color: black - Indicator: white line on top - With lateral screw fixing						
 SECTION A-A						
PART NUMBER	DIMENSIONS in millimeters					
	SHAFT DIAM. "F"	A	B	C	D	E
ACCKPR1817NLT18	1/8" (3.175)	18.4	17.4	16.2	2.4	14.7
ACCKPR1817NLT14	1/4" (6.35)					
ACCKPR1817NLT3	3					
ACCKPR1817NLT6	6					
ACCKPR1417T18	1/8" (3.175)	13.8	16.6	14.6	0	9.5
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					
	SHAFT DIAM. "F"	A	B	C	D	E
ACCKIS2716NLD18	1/8" (3.175)	27	16	13.8	3.8	21.7
ACCKIS2716NLD14	1/4" (6.35)					
ACCKIS2716NLD6	6					
ACCKIS2012NLD18	1/8" (3.175)	20	12	10	1.8	13.8
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						
	SHAFT DIAM. "F"	A	B	C	D	E	I
ACCKPS2015NLR18	1/8" (3.175)	20	17.3	25.3	1.5	15	12.7
ACCKPS2015NLR14	1/4" (6.35)						
ACCKPS2015NLR3	3						
ACCKPS2015NLR6	6						
ACCKPS1412NLR18	1/8" (3.175)	14.3	13.8	19	2.5	12.3	10
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	SHAFT DIAM. "F"
ACCKPS1715NLT18	1/8" (3.175)
ACCKPS1715NLT14	1/4" (6.35)
ACCKPS1715NLT3	3
ACCKPS1715NLT6	6

SERIES

PS1515NDT

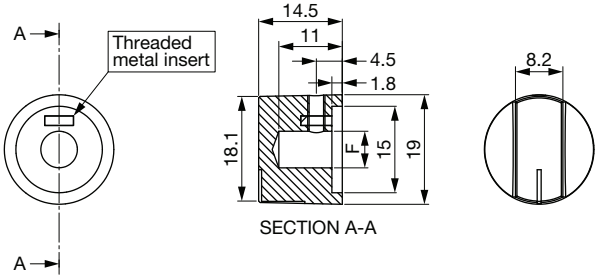
SPECIFICATION

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

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

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	
 Technical drawing showing the dimensions of the PP1915NLP knob. The drawing includes a top view, a side view, and a cross-section labeled SECTION A-A. Key dimensions include: 14.5 (total width), 11 (width of the top part), 4.5 (width of the middle part), 1.8 (width of the bottom part), 18.1 (height of the top part), 15 (height of the middle part), 19 (height of the bottom part), 8.2 (diameter of the shaft), and 1.8 (diameter of the shaft). A threaded metal insert is shown in the top view.	
PART NUMBER	SHAFT DIAM. "F"
ACCKPP1915NLP18	1/8" (3.175)
ACCKPP1915NLP14	1/4" (6.35)
ACCKPP1915NLP3	3
ACCKPP1915NLP6	6


METALLIC CONTROL KNOBS
ROUND RANGE

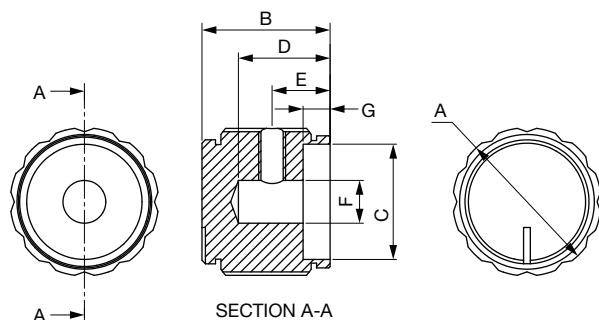
SERIES MR1316NLT MR1916NLT				
SPECIFICATION - Material: aluminum - Indicator: white line on top - Product color: black - With lateral screw fixing				
PART NUMBER	DIMENSIONS in millimeters			
	SHAFT DIAM. "F"	A	B	C
ACCKMR1316NLT18	1/8" (3.175)	12.8	15.8	9.5
ACCKMR1316NLT14	1/4" (6.35)			
ACCKMR1316NLT3	3			
ACCKMR1316NLT6	6			
ACCKMR1916NLT18	1/8" (3.175)	19	15.8	15
ACCKMR1916NLT14	1/4" (6.35)			
ACCKMR1916NLT3	3			
ACCKMR1916NLT6	6			

SERIES MR1920NLT	
SPECIFICATION - Material: aluminum - Indicator: white line on top - Product color: black - With lateral screw fixing	
PART NUMBER	SHAFT DIAM. "F"
ACCKMR1920NLT18	1/8" (3.175)
ACCKMR1920NLT14	1/4" (6.35)
ACCKMR1920NLT3	3
ACCKMR1920NLT6	6

SERIES

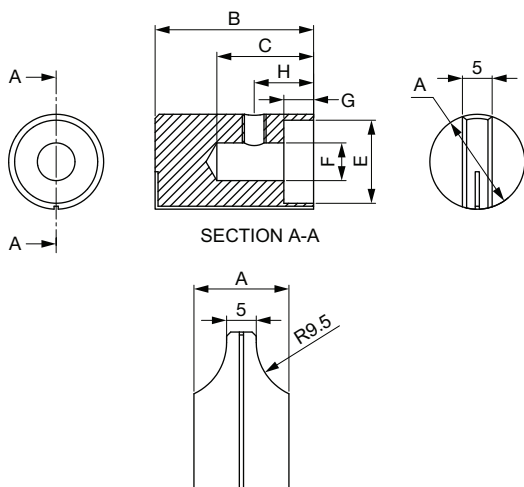
SPECIFICATION

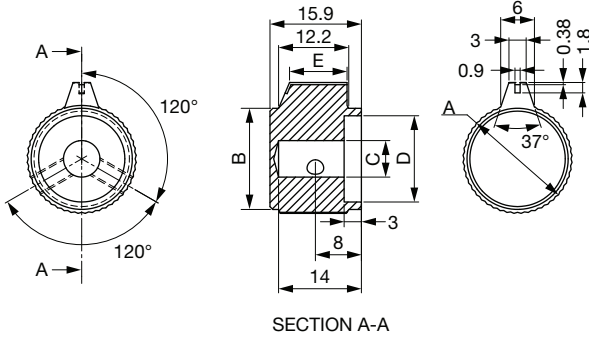
- Material: aluminum
- Indicator: white line on top
- Product color: black
- With lateral screw fixing



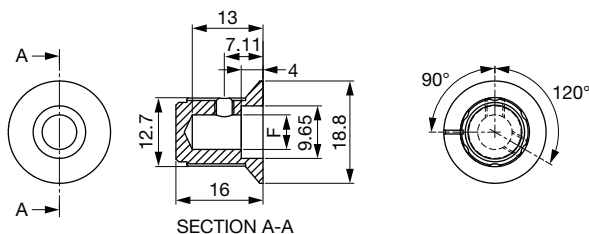
PART NUMBER	DIMENSIONS in millimeters						
	SHAFT DIAM. "F"	A	B	C	D	E	G
ACCKMR1617NLT18	1/8" (3.175)	15.5	16.5	13.5	14.5	8.4	4.5
ACCKMR1617NLT14	1/4" (6.35)						
ACCKMR1617NLT3	3						
ACCKMR1617NLT6	6						
ACCKMR2020NLT18	1/8" (3.175)	20	19.5	17.5	15	9.1	5.5
ACCKMR2020NLT14	1/4" (6.35)						
ACCKMR2020NLT3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

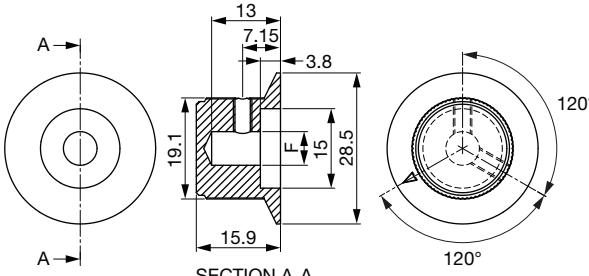

METALLIC CONTROL KNOBS
POINTER RANGE

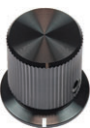
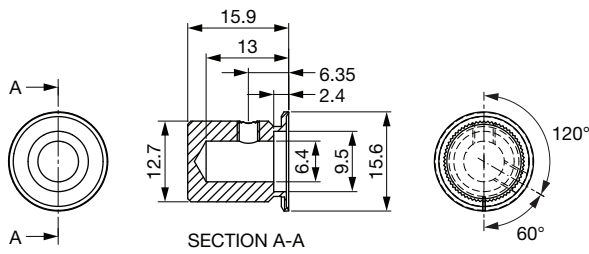
SERIES							
							
MP1325NLP MP1627NLP MP1925NLP							
SPECIFICATION							
- Material: aluminum - Product color: black - Indicator: white line on top and side - With lateral screw fixing							
							
PART NUMBER	DIMENSIONS in millimeters						
	SHAFT DIAM. "F"	A	B	C	E	G	H
ACCKMP1325NLP18	1/8" (3.175)	12.7	25.4	13	9.5	4.5	7.5
ACCKMP1325NLP14	1/4" (6.35)						
ACCKMP1325NLP3	3						
ACCKMP1325NLP6	6						
ACCKMP1627NLP18	1/8" (3.175)	16	26.7	16.3	14.1	5	10.5
ACCKMP1627NLP14	1/4" (6.35)						
ACCKMP1627NLP3	3						
ACCKMP1627NLP6	6						
ACCKMP1925NLP18	1/8" (3.175)	19	25.4	13	15	4.5	7.5
ACCKMP1925NLP14	1/4" (6.35)						
ACCKMP1925NLP3	3						
ACCKMP1925NLP6	6						

SERIES						
						
MP1316NLS MP1916NLS MP2416NLS						
SPECIFICATION						
- Material: aluminum - Product color: black - Indicator: white line on side - With lateral screw fixing						
						
PART NUMBER	DIMENSIONS in millimeters					
	SHAFT DIAM. "F"	A	B	C	D	E
ACCKMP1316NLS18	1/8" (3.175)	12.7	11.3	6.4	9.5	9
ACCKMP1316NLS14	1/4" (6.35)					
ACCKMP1316NLS3	3					
ACCKMP1316NLS6	6					
ACCKMP1916NLS18	1/8" (3.175)	19	17.6	6.4	15	10
ACCKMP1916NLS14	1/4" (6.35)					
ACCKMP1916NLS3	3					
ACCKMP1916NLS6	6					
ACCKMP2416NLS18	1/8" (3.175)	23.8	22.4	3.2	17.6	9.5
ACCKMP2416NLS14	1/4" (6.35)					
ACCKMP2416NLS6	6					

METALLIC CONTROL KNOBS
SKIRTED RANGE

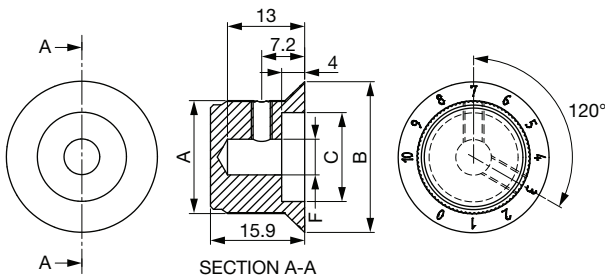
SERIES  MS1316NLD	
SPECIFICATION - Material: aluminum - Product color: black - Indicator: white line on side and skirt - With lateral screw fixing	
	
PART NUMBER	DIMENSIONS in millimeters SHAFT DIAM. "F"
ACCKMS1316NLD18	1/8" (3.175)
ACCKMS1316NLD14	1/4" (6.35)
ACCKMS1316NLD3	3
ACCKMS1316NLD6	6

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

SERIES  MS1316NLK	
SPECIFICATION - Material: aluminum - Product color: black - Indicator: white line on side and top - With lateral screw fixing	
	
PART NUMBER	SHAFT DIAM. "F"
ACCKMS1316NLK18	1/8" (3.175)
ACCKMS1316NLK14	1/4" (6.35)
ACCKMS1316NLK3	3
ACCKMS1316NLK6	6

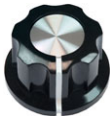
METALLIC CONTROL KNOBS

SKIRTED RANGE

SERIES  MS1316NGJ  MS1916NGJ				
SPECIFICATION - Material: aluminum - Product color: black - Indicator: graduation to 10 - With lateral screw fixing				
				
PART NUMBER	DIMENSIONS in millimeters			
	SHAFT DIAM. "F"	A	B	C
ACCKMS1316NGJ18	1/8" (3.175)	12.7	17.5	9.5
ACCKMS1316NGJ14	1/4" (6.35)			
ACCKMS1316NGJ3	3			
ACCKMS1316NGJ6	6			
ACCKMS1916NGJ18	1/8" (3.175)	19.1	25.4	15
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

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



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		From 12 mm to 27 mm Unit: mm		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		(If applicable) Given by Vishay for custom design
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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