

Control Knobs for Panel Potentiometers



FEATURES

RoHS
COMPLIANT

- 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/doc299912

LINKS TO ADDITIONAL RESOURCES

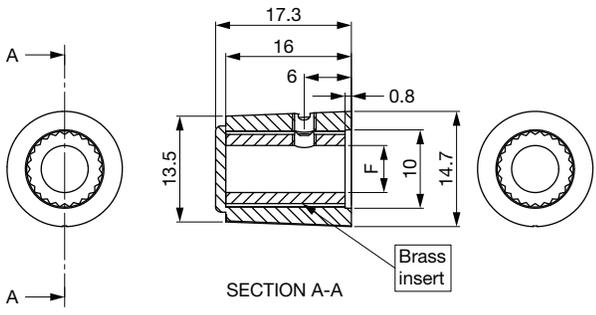


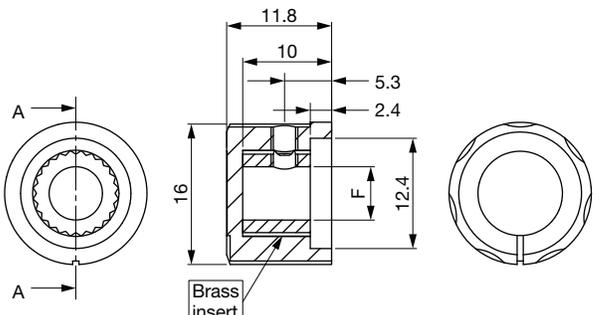
Control knobs suited for panel potentiometers, encoders and rotary switches. Whether the user wears gloves or operates with bare hands, the knob's haptic structure and pleasant grip surface reliably apply the necessary torque to the potentiometer shaft across all application situations.

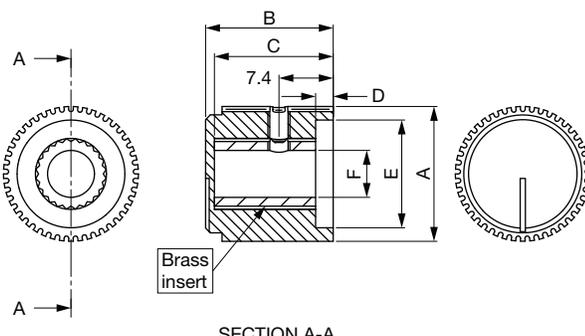
CONTROL KNOB INDEX		
	PLASTIC CONTROL KNOBS	METALLIC CONTROL KNOBS
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[For "Quick Search / Available Series" table see page 13](#)

PLASTIC CONTROL KNOBS
ROUND RANGE

SERIES  PR1417NLS	
SPECIFICATION <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Material: plastic (ABS) with aluminum top inlay • 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						
<ul style="list-style-type: none"> Material: plastic (ABS) Product color: black 			<ul style="list-style-type: none"> Indicator: white line on top With lateral screw fixing 			
 <p style="text-align: center;">SECTION A-A</p>						
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

SECTION A-A

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

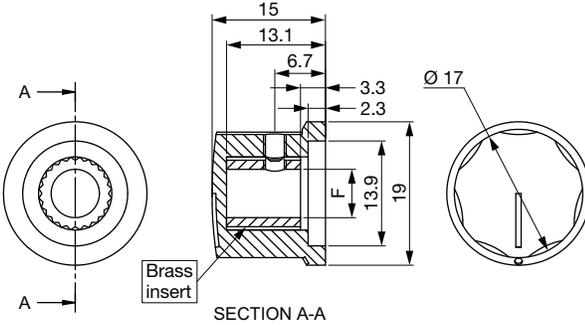
PS2015NLR PS1412NLR

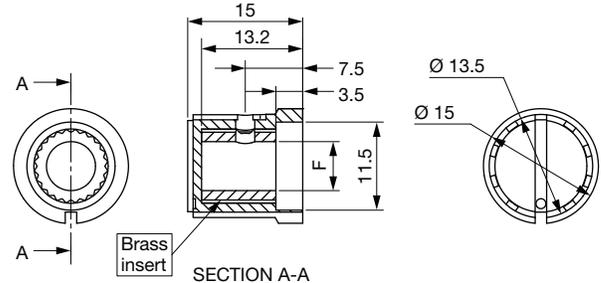
SPECIFICATION

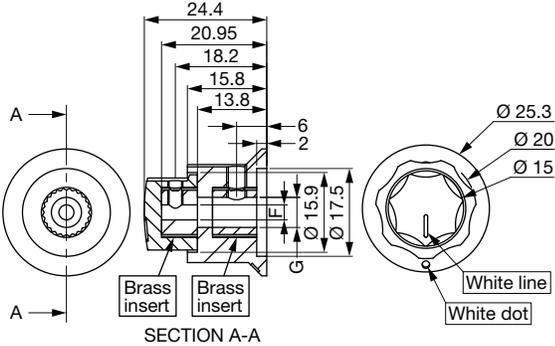
- Material: plastic (ABS)
- Product color: black
- Indicator: white line on top, and skirt
- With lateral screw fixing

SECTION A-A

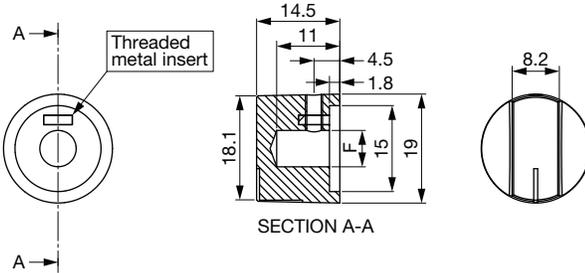
PART NUMBER	DIMENSIONS in millimeters							
	SHAFT DIAM. "F"	A	B	C	D	E	H	I
ACCKPS2015NLR18	1/8" (3.175)	20	17.3	25.3	1.5	15	12.7	7
ACCKPS2015NLR14	1/4" (6.35)							
ACCKPS2015NLR3	3							
ACCKPS2015NLR6	6							
ACCKPS1412NLR18	1/8" (3.175)	14.3	13.8	19	2.5	12.3	10	5.5
ACCKPS1412NLR14	1/4" (6.35)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

SERIES  PS1715NLT	
SPECIFICATION <ul style="list-style-type: none"> • 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

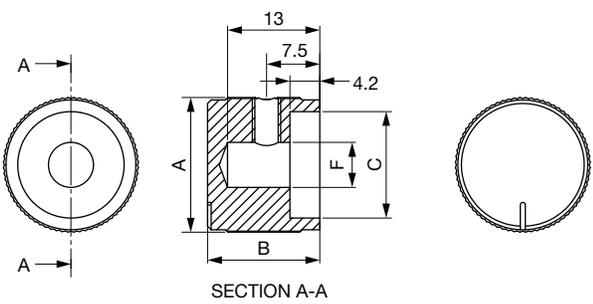
SERIES  PS1515NDT						
SPECIFICATION <ul style="list-style-type: none"> • Material: plastic (ABS) • Product color: black • Indicator: white dot on top • With lateral screw fixing 						
						
PART NUMBER	DIMENSIONS in millimeters					
	SHAFT DIAM. "F"	A	B	C	D	E
ACCKPS1515NDT18	1/8" (3.175)	15	15	13.2	7.5	11.5
ACCKPS1515NDT14	1/4" (6.35)					
ACCKPS1515NDT3	3					
ACCKPS1515NDT6	6					

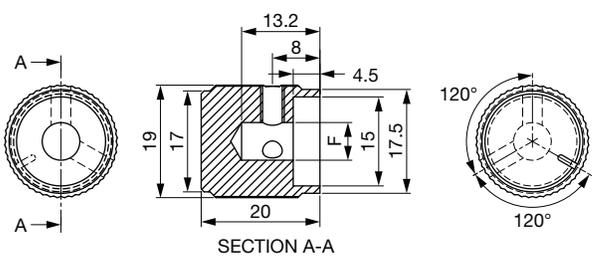
SERIES  PS2024NLR				
SPECIFICATION <ul style="list-style-type: none"> • Material: plastic (ABS) • Product color: black • Indicator: white line on top and skirt • With lateral screw fixing 				
 SECTION A-A				
PART NUMBER (DUAL ASSEMBLY)	KNOB TYPE (SINGLE KNOBS)	PART NUMBER (SINGLE KNOBS)	DIMENSIONS in millimeters	
			SHAFT DIAM. "F"	SHAFT DIAM. "G"
ACCKPS2024NLRDV	Bottom	ACCKPS2016NLKBV	-	6
	Top	ACCKPS1511NLT3	3	-
ACCKPS2024NLRDF	Bottom	ACCKPS2016NLKBF	-	6.35
	Top	ACCKPS1511NLT18	3.17	-

PLASTIC CONTROL KNOBS
POINTER RANGE

<p>SERIES</p>  <p>PP1915NLP</p>	
<p>SPECIFICATION</p> <ul style="list-style-type: none"> • Material: plastic (ABS) • Product color: black • Indicator: white line on top and side • With lateral screw fixing 	
 <p>SECTION A-A</p>	
PART NUMBER	SHAFT DIAM. "F"
ACCKPP1915NLP18	1/8" (3.175)
ACCKPP1915NLP14	1/4" (6.35)
ACCKPP1915NLP3	3
ACCKPP1915NLP6	6

METALLIC CONTROL KNOBS
ROUND RANGE

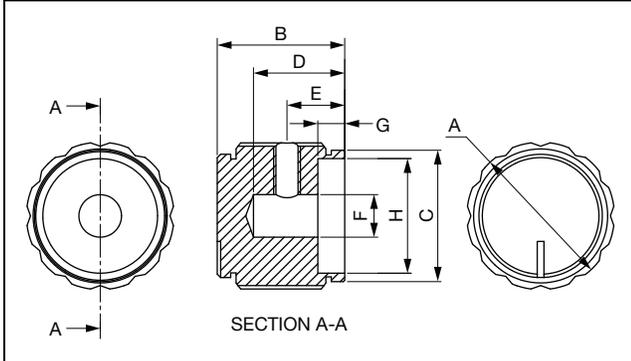
SERIES				
				
MR1316NLT		MR1916NLT		
SPECIFICATION				
<ul style="list-style-type: none"> Material: aluminum Product color: black 		<ul style="list-style-type: none"> Indicator: white line on top With lateral screw fixing 		
				
PART NUMBER	DIMENSIONS in millimeters			
	SHAFT DIAM. "F"	A	B	C
ACCKMR1316NLT18	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	
<ul style="list-style-type: none"> Material: aluminum Product color: black 	
<ul style="list-style-type: none"> Indicator: white line on top With lateral screw fixing 	
	
PART NUMBER	SHAFT DIAM. "F"
ACCKMR1920NLT18	1/8" (3.175)
ACCKMR1920NLT14	1/4" (6.35)
ACCKMR1920NLT3	3
ACCKMR1920NLT6	6



SPECIFICATION

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

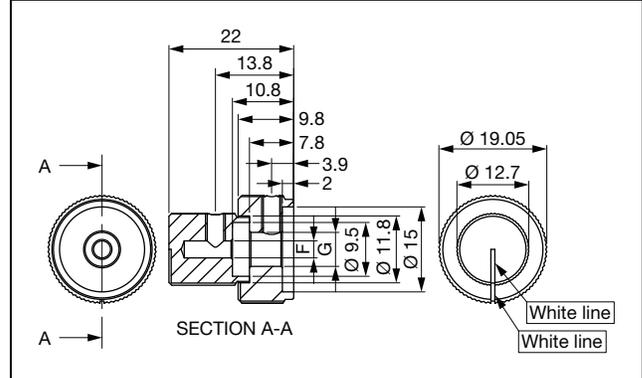


PART NUMBER	DIMENSIONS in millimeters							
	SHAFT DIAM. "F"	A	B	C	D	E	G	H
ACCKMR1617NLT18	1/8" (3.175)							
ACCKMR1617NLT14	1/4" (6.35)	15.5	16.5	13.5	14.5	8.4	4.5	11
ACCKMR1617NLT3	3							
ACCKMR1617NLT6	6							
ACCKMR2020NLT18	1/8" (3.175)							
ACCKMR2020NLT14	1/4" (6.35)	20	19.5	17.5	15	9.1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



SPECIFICATION

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



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

METALLIC CONTROL KNOBS
POINTER RANGE

SERIES							
MP1325NLP	MP1627NLP	MP1925NLP					
SPECIFICATION							
<ul style="list-style-type: none"> Material: aluminum Product color: black 		<ul style="list-style-type: none"> 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					
<ul style="list-style-type: none"> Material: aluminum Product color: black 		<ul style="list-style-type: none"> Indicator: white line on side With lateral screw fixing 			
PART NUMBER	DIMENSIONS in millimeters				
	SHAFT DIAM. "F"	A	B	D	E
ACCKMP1316NLS18	1/8" (3.175)	12.7	11.3	9.5	9
ACCKMP1316NLS14	1/4" (6.35)				
ACCKMP1316NLS3	3				
ACCKMP1316NLS6	6				
ACCKMP1916NLS18	1/8" (3.175)	19	17.6	15	10
ACCKMP1916NLS14	1/4" (6.35)				
ACCKMP1916NLS3	3				
ACCKMP1916NLS6	6				
ACCKMP2416NLS18	1/8" (3.175)	23.8	22.4	17.6	9.5
ACCKMP2416NLS14	1/4" (6.35)				
ACCKMP2416NLS6	6				

METALLIC CONTROL KNOBS
SKIRTED RANGE

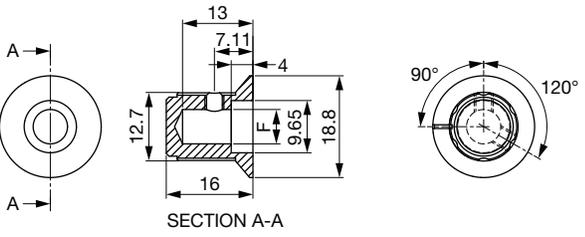
SERIES



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

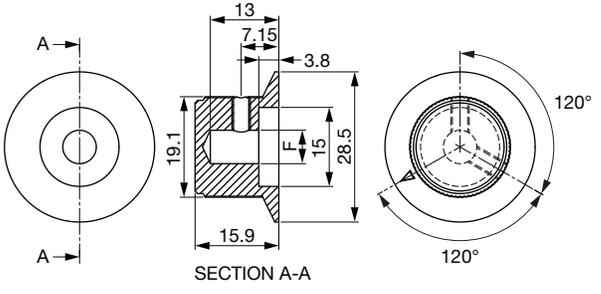
SERIES



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

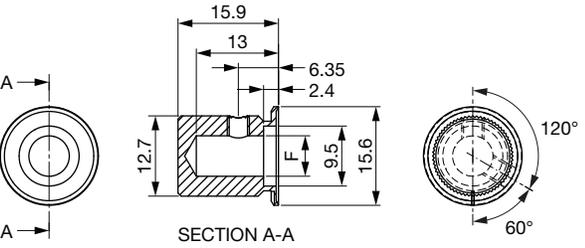
SERIES



MS1316NLK

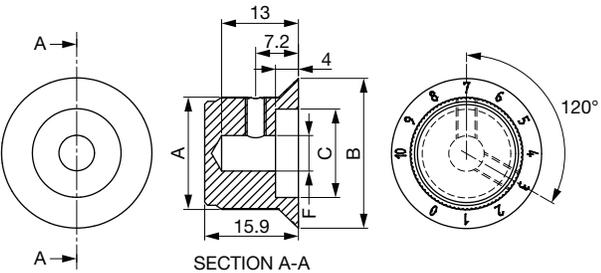
SPECIFICATION

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



PART NUMBER	SHAFT DIAM. "F"
	ACCKMS1316NLK18
ACCKMS1316NLK14	1/4" (6.35)
ACCKMS1316NLK3	3
ACCKMS1316NLK6	6

METALLIC CONTROL KNOBS
SKIRTED RANGE

SERIES				
				
MS1316NGJ		MS1916NGJ		
SPECIFICATION				
<ul style="list-style-type: none"> Material: aluminum Product color: black 		<ul style="list-style-type: none"> Indicator: graduation to 10 With lateral screw fixing 		
 <p>SECTION A-A</p>				
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

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

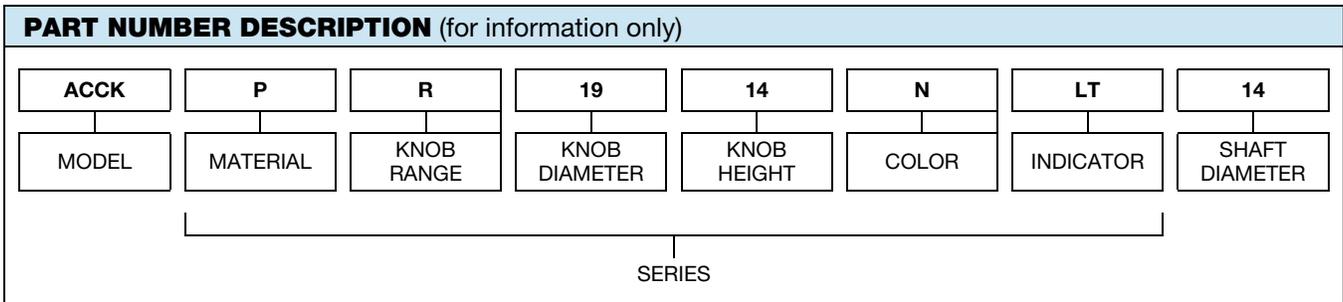
- For control knob customization need, knob shape, marking, color, and hole of the shaft diameter can be customized on metallic versions to meet customer requirements. For plastic knobs, only the markings and knob color can be customized to meet customer requirements.
- For knobs compatibilities with 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																	



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