## CIRCULAR CONNECTORS NR-SERIES



Panel-mounted connector













Product description						
Description	Panel-mounted connector with metal screw-in casing	Panel-mounted connector with contact bearer in the casing (monoblock design)	Panel-mounted connector with contact bearer in the casing (monoblock design), pins her- metically mounted to prevent ingress of liquids	Panel-mounted connector with contact bearer in the casing (monoblock design)	Panel-mounted connector with contact bearer in the casing (monoblock design), pins her- metically mounted to prevent ingress of liquids	Panel-mounted connector with contact b in the casing (monoblock design)
ype	N6R AM	N6R AM 2	N6R AM 2 D	N6R AM 2 M20	N6R AM 2 D M20	N6R AM 4
Order No.	931 434-001	931 592-001	932 207-206	932 207-206	932 207-206	931 592-003
ype of contact	male	male	male	male	male	male
Number of contacts	6 + PE	6 + PE	6 + PE	6 + PE	6 + PE	6 + PE
Conductor size	max. 1.5 mm <sup>2</sup>	max. 1.5 mm <sup>2</sup>	max. 1.5 mm <sup>2</sup>	max. 1.5 mm <sup>2</sup>	max. 1.5 mm <sup>2</sup>	max. 1.5 mm <sup>2</sup>
Standard	DIN 43 651	DIN 43 651	DIN 43 651	DIN 43 651	DIN 43 651	DIN 43 651
Housing Color		grey				
Drawing Color	grey	giey	grey	grey	grey	grey
	Pg 13.5  Nut size 27  Nut size 27  M26x1.5  M26x1.5	Pg 13.5  Nut size 27  M26x1.5  M26x1.5	PG 13.5  Nut size 27  0 17  PG 13.5  M26x1.5	0 29.5  M20x1.5  M26x1.5  M26x1.5  M20x1.5	29.5  M20x1.5  Nut size 27  W26x1.5  M26x1.5	PG 16  Nut size 27  M26x1.5  M26x1.5
Fechnical data	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm
Pin dimensions Rated voltage	1.6 mm 250 V AC/DC	1.6 mm 250 V AC/DC	1.6 mm 250 V AC/DC	1.6 mm 250 V AC/DC	1.6 mm 250 V AC/DC	1.6 mm 250 V AC/DC
Rated current	10 A	10 A	10 A	10 A	10 A	10 A
Contact resistance	<= 5 mOhm	<= 5 mOhm	<= 5 mOhm	<= 5 mOhm	<= 5 mOhm	<= 5 mOhm
Type of termination	crimp	crimp	solder	crimp	solder	crimp
	·	0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup>	0.5 mm² to 1.5 mm²	-		
Suitable cables	0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup>	0.7 IIIII (U 1.7 IIIIII-	0.7 111111- 10 1.7 111111-	0.5 mm² to 1.5 mm² M20x1.5	0.5 mm² to 1.5 mm² M20x1.5	0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup> PG 16
Mounting Material				mzux1.J	WIZUAL.)	10 10
Material	Λα	Λα	Δα	Λα	Λα	Λα
Contact surface material  Contact bearer material	Ag PETP	Ag PETP	Ag PETP	Ag PETP	Ag PETP	Ag PETP
Housing material	PETP	PETP	PETP	PETP	PETP	PETP
Environmental conditions	1211	. 2.1	1211			. 2.1
Protection class (IEC 60529)	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
emperature range	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C
Packaging unit	40 0 10 100 0	10 2.0 170 2	70 210 170 2	1.5 € 10 170 €	.5 5 10 170 0	
Packaging unit	10 pieces	10 pieces	10 pieces	10 pieces	10 pieces	10 pieces
Scope of delivery and accessories	10 pieces	To piccos	10 pieces	10 pieces	10 p.ccc3	20 pieces
Scope of delivery	1 panel-mounted connector, not assembled, in polythene bag with assembly instructions	1 panel-mounted connector with O-Ring in polythene bag with assembly instructions	1 panel-mounted connector with O-Ring in polythene bag with assembly instructions	1 panel-mounted connector with O-Ring in polythene bag with assembly instructions	1 panel-mounted connector with O-Ring in polythene bag with assembly instructions	1 panel-mounted connector with O-F polythene bag with assembly instruc
Accessories to order separately	can be plugged into N6R FF, N6R FF R, N6R EF; coding NC 6, order no. 831 002-011	can be plugged into N6R FF, N6R FF R, N6R EF; coding NC 6, order no. 831 002-011	can be plugged into N6R FF, N6R FF R, N6R EF; coding NC 6, order no. 831 002-011	can be plugged into N6R FF, N6R FF R, N6R EF; coding NC 6, order no. 831 002-011	can be plugged into N6R FF, N6R FF R, N6R EF; coding NC 6, order no. 831 002-011	can be plugged into N6R FF, N6R FF R, N6R EF; coding NC 6, order no. 831 002-011

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## CIRCULAR CONNECTORS NR-SERIES



Angled cable socket









## CIRCULAR CONNECTORS NR-SERIES

Product description			I			
Description	Angled cable socket	Angled cable socket		Angled cable socket with strain relief,	Angled cable socket	 
Description	with strain relief and knurled screw	with strain relief		transparent cap, for installation of the LED insert	with strain relief	
T	N/D FF D	N/D FF		N/D FF C 44	NAAD FF	
Туре	N6R FF R	N6R FF		N6R FF S 11	N11R FF	
Order No.	931 553-106	931 435-106		932 194-112	932 632-106	
Type of contact	female	female		female	female	
Number of contacts	6 + PE	6 + PE		6 + PE	11 + PE	
Cable gland	PG 11	PG 11		PG 11	PG 11	
Cable diameter	7 mm to 9 mm	7 mm to 9 mm		7 mm to 9 mm	8 mm to 10 mm	
Conductor size	max. 1.5 mm <sup>2</sup>	max. 1.5 mm <sup>2</sup>		max. 1.5 mm <sup>2</sup>	max. 0.5 mm <sup>2</sup>	
Standard	DIN 43651	DIN 43651		DIN 43 651	DIN 43 651	
Housing Color	grey	grey		transparent/grey	grey	
Drawing	,			, ,,,,		
	9 12.5 9 12.5 9 12.5 9 12.5 9 12.5 9 12.5 9 12.5 9 12.5	M3		95.25 Max.11 15 49  Nut size 25	max.11 15.2 40 Nut size 25	
Tochwical data						
Technical data  Din dimensions	1.6 mm	1.6 mm		1.6 mm	1.6 mm	 
Pin dimensions	1.6 mm	1.6 mm		1.6 mm	1.6 mm	
Rated voltage	250 V AC/DC	250 V AC/DC		250 V AC/DC	60 V AC/DC	
Rated current	10 A	10 A		10 A	5 A	
Contact resistance	<= 5 mOhm	<= 5 mOhm		<= 5 mOhm	<= 5 mOhm	
Type of termination	crimp	crimp		screw	crimp	
Suitable cables	0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup>	0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup>		0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup>	0.14 mm <sup>2</sup> to 0.5 mm <sup>2</sup>	
Material						
Contact surface material	Ag	Ag		Ag	Ag	
Contact bearer material	PETP	PETP		PETP	PETP	
Housing material	PETP	PETP		PETP	PETP	
Environmental conditions						
	IP 65	IP 65		IP 65	IP 65	
Protection class (IEC 60529)					-40 °C to +90 °C	
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C		-40 °C to +90 °C	-40 °C (0 +90 °C	
Packaging unit						
Packaging unit	10 pieces	10 pieces		10 pieces	10 pieces	
Scope of delivery and accessories						
Scope of delivery	1 cable socket, with knurled screw, not assembled, in polythene bag, with assembly instructions	1 cable socket, with central screw M 3 x 60, not assembled, in polythene bag, with assembly instructions		1 cable sockets, not assembled, in polythene bag, with assembly instructions	1 cable sockets, not assembled, in polythene bag, with assembly instructions	
Accessories to order separately	can be plugged into N6R AM, N6R AM, N6R BM, N6R DM; coding NC 6, order no. 831 002-011 contacts: RBC 162	can be plugged into N6R AM, N6R AM, N6R BM, N6R DM; coding NC 6, order no. 831 002-011 contacts: RBC 162		can be plugged into N6R AM, N6R AM, N6R BM, N6R DM; LED-insert N6R 3 LED 24, order no. 831 411-001 LED-insert N6R 3 LED 24 DB, order no. 831 618-001 coding NC 6, order no. 831 002-011 contacts: RBC 162	can be plugged into N11R AM, N11R AM 5 contacts: RBC 162/1	

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