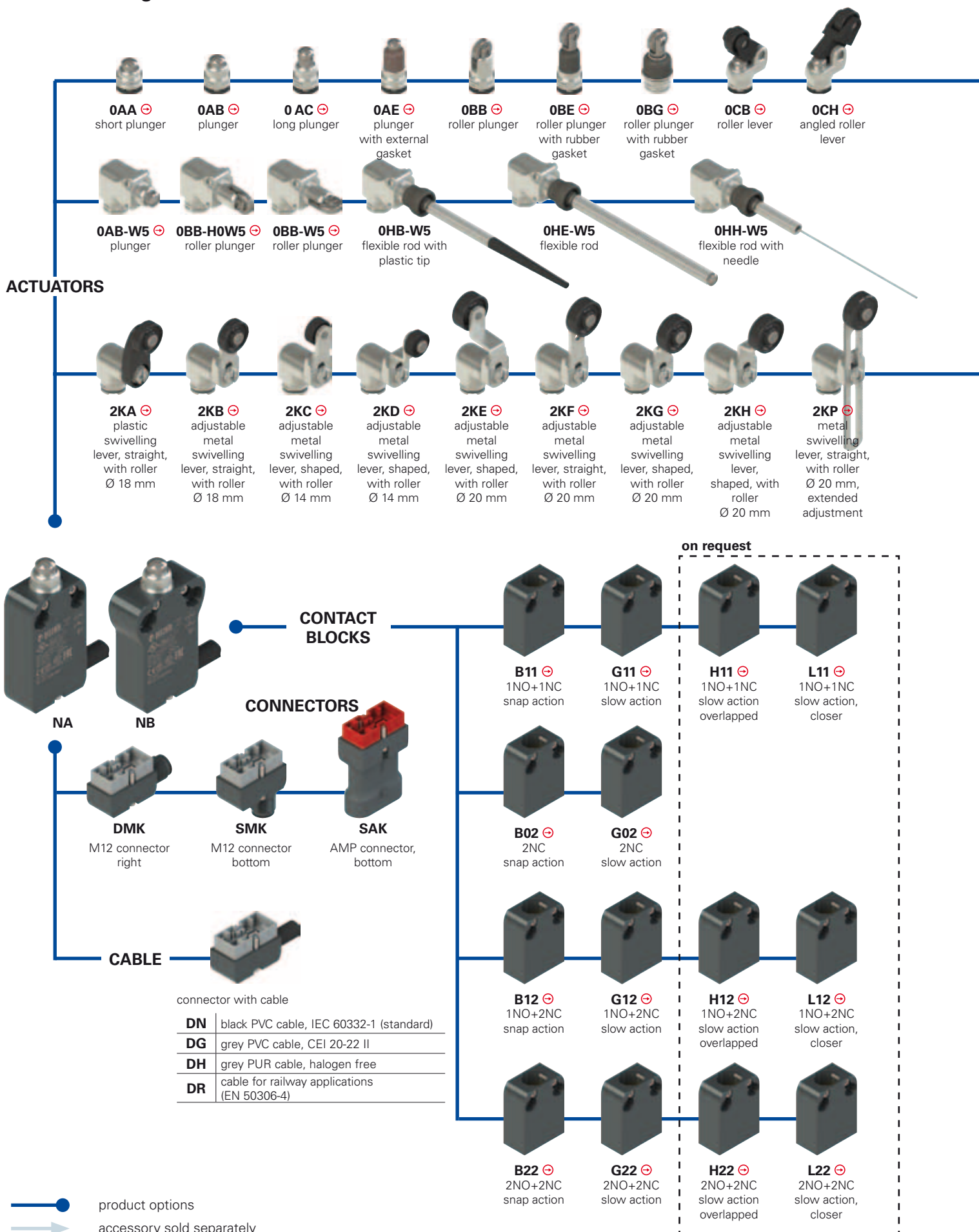
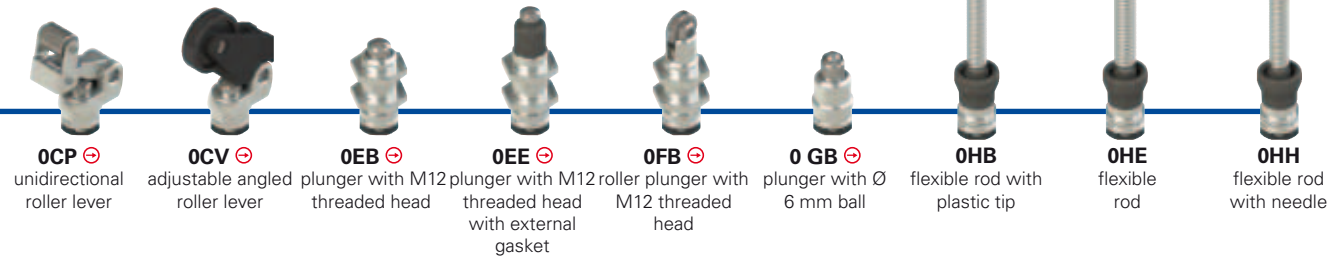
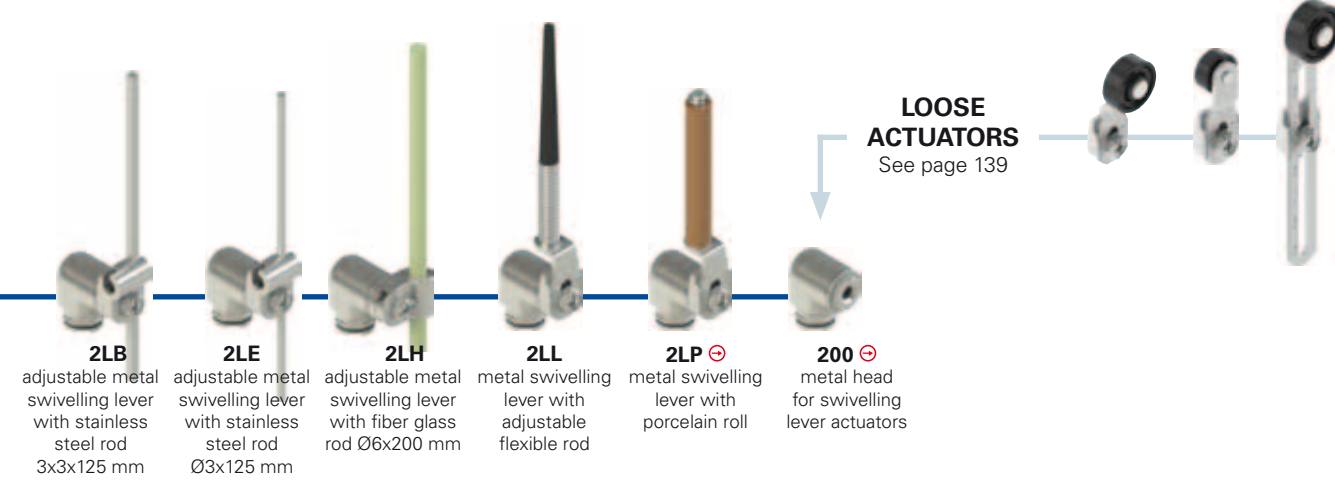


Selection diagram for NA-NB series items sold assembled





OCP ⊕ unidirectional roller lever
OCV ⊕ adjustable angled roller lever
OEB ⊕ plunger with M12 threaded head
OEE ⊕ plunger with M12 threaded head with external gasket
OFB ⊕ roller plunger with M12 threaded head
OGB ⊕ plunger with Ø 6 mm ball
OHB flexible rod with plastic tip
OHE flexible rod
OHH flexible rod with needle



2LB adjustable metal swivelling lever with stainless steel rod 3x3x125 mm
2LE adjustable metal swivelling lever with stainless steel rod Ø3x125 mm
2LH adjustable metal swivelling lever with fiber glass rod Ø6x200 mm
2LL metal swivelling lever with adjustable flexible rod
2LP ⊕ metal swivelling lever with porcelain roll
200 ⊕ metal head for swivelling lever actuators

LOOSE ACTUATORS
See page 139

Code structure **Attention!** The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

article		options	
NA B110AB-DN2		GR7T6W5	
<p>Housing</p> <p>NA metal, hole spacing 20 mm</p> <p>NB metal, hole spacing 25 mm</p>		<p>Transmission block</p> <p>without transmission block</p> <p>W5 90° transmission block</p>	
<p>Contact blocks</p> <p>B11 1NO+1NC, snap action</p> <p>B02 2NC, snap action</p> <p>B12 1NO+2NC, snap action</p> <p>B22 2NO+2NC, snap action</p> <p>BA1 1NO+1NC, snap action in deviation (available only with M connector)</p> <p>G11 1NO+1NC, slow action</p> <p>G02 2NC, slow action</p> <p>G12 1NO+2NC, slow action</p> <p>G22 2NO+2NC, slow action</p> <p>H11 1NO+1NC, slow action, overlapped</p> <p>H12 1NO+2NC, slow action, overlapped</p> <p>H22 2NO+2NC, slow action, overlapped</p> <p>L11 1NO+1NC, slow action closer</p> <p>L12 1NO+2NC, slow action closer</p> <p>L22 2NO+2NC, slow action closer</p> <p>Other contact blocks on request.</p>		<p>Ambient temperature</p> <p>-25°C ... +80°C</p> <p>T6 -40°C ... +80°C</p>	
<p>Actuator heads</p> <p>0 without head</p> <p>2 head for swivelling lever actuators</p>		<p>Rollers</p> <p>standard roller</p> <p>R30 stainless steel Ø 10.6 mm</p> <p>R29 stainless steel, Ø 13 mm</p> <p>R18 technopolymer, Ø 14 mm</p> <p>R23 stainless steel, Ø 14 mm</p> <p>R7 technopolymer, Ø 18 mm</p> <p>R22 technopolymer, Ø 20 mm</p> <p>R24 stainless steel, Ø 20 mm</p> <p>R19 technopolymer, Ø 22 mm</p> <p>R25 technopolymer, Ø 35 mm</p>	
<p>Actuators</p> <p>00 without actuator</p> <p>AA short plunger</p> <p>AB plunger</p> <p>...</p>		<p>Contact type</p> <p>silver contacts (standard)</p> <p>G silver contacts with 1 µm gold coating</p>	
<p>Output direction</p> <p>D cable or connector to the right</p> <p>S connector at bottom</p>		<p>Connection type</p> <p>2 cable, length 2 m (standard)</p> <p>5 cable, length 5 m</p> <p>K connector</p> <p>Other cable lengths on request.</p>	
		<p>Cable or connector type</p> <p>N black PVC cable, IEC 60332-1 (standard)</p> <p>G grey PVC cable, CEI 20-22 II</p> <p>H grey PUR cable, halogen free</p> <p>R cable for railway applications (EN 50306-4)</p> <p>M M12 connector</p> <p>A AMP superseal 1.5 connector</p> <p>Check feasibility using table on page 122.</p>	



Main features

- Metal housing, right or bottom cable output
- Protection degrees IP67 and IP69K
- 4 types of integrated cable available
- Versions with M12 connector for safety applications ⊕
- Versions with AMP connector
- 14 contact blocks available
- 36 actuators available

Markings and quality marks:



IMQ approval:	CA02.04562
UL approval:	E131787
CCC approval:	2013010305653520
EAC approval:	RU C-IT ДМ94.В.01024

⚠ Installation for safety applications:

Use only switches marked with the symbol ⊕ aside the product code. Always connect the safety circuit to the **NC contacts** (normally closed contacts: see "internal connections" on page 122) as stated in **EN 60947-5-1, encl. K, par. 2**. Actuate the switch **at least up to the positive opening travel** shown in the travel diagrams on page 244. Operate the switch **at least with the positive opening force**, indicated between brackets below each article, aside the minimum force value. All applicable standards must be respected.

⚠ **If not expressly indicated in this chapter, for correct installation and utilization of all articles see chapter utilization requirements from page 235 to page 246.**

⚠ **Important: Switch off the circuit voltage before disconnecting the connector from the switch. The connector is not suitable for separation of electrical loads. According to EN 60204-1, 2NO+2NC versions with 8-pin M12 and AMP connector can be used only in PELV circuits.**

Technical data

Housing

Metal housing, baked powder coating, UV resistant
Version with integrated cable, standard length 2 m. Other lengths and special cables on request.
Versions with integrated M12 connector, 5 or 8 poles
Protection degree:

IP67 according to EN 60529
IP69K according to ISO 20653
(Protect the cables from direct high-pressure and high-temperature jets)

Corrosion resistance in saline mist:

≥ 300 hours in NSS according to ISO 9227

General data

Ambient temperature: See table on page 122
Max. actuation frequency: 3600 operating cycles¹/hour
Mechanical endurance: 20 million operating cycles¹
Mounting position: any
Safety parameters:
B_{10d}: 40,000,00 for NC contacts
Mechanical interlock, not coded: type 1 according to EN ISO 14119
Vibration resistance (actuators 0BB, 2KB, 2KC, 2KD): 5 ... 150 Hz (7.9 m/s²) according to EN 61373 cl.9

Tightening torques for installation:

see pages 235-246

(1) One operation cycle means two movements, one to close and one to open contacts, as defined in EN 60947-5-1.

Electrical data

Rated impulse withstand voltage (U_{imp}): 4 kV
Conditional short circuit current: 1000 A according to EN 60947-5-1
Pollution degree: 3

In conformity with standards:

IEC 60947-5-1, EN 60947-5-1, IEC 60204-1, EN 60204-1, EN ISO 14119, EN ISO 12100, IEC 60529, EN 60529, ISO 20653, UL 508, CSA 22.2 No. 14.

In conformity with the requirements of:

Low Voltage Directive 2006/95/EC, Machinery Directive 2006/42/EC and EMC Directive 2004/108/EC.

Positive contact opening in conformity with standards:

IEC 60947-5-1, EN 60947-5-1.

Characteristics approved by IMQ

Rated insulation voltage (Ui):	250 Vac
Conventional free air thermal current (Ith):	10 A (1-2 contacts) / 6 A (2-3 contacts) 4 A (4 contacts or 5-pin M12 connector)
Protection against short circuits (fuse):	10 A (1-2 contacts) / 6 A (2-3 contacts) / 4 A (4 contacts or 5-pin M12 connector), gG type
Rated impulse withstand voltage (U _{imp}):	4 kV
Protection degree of the housing:	IP67
MA terminals (saddle clamps)	
Pollution degree:	3
Utilization category:	AC15 / DC13 (with connector)
Operating voltage (Ue):	250 Vac (50 Hz) / 24 Vdc (with connector)
Operating current (Ie):	3 A / 2 A (with connector)
Forms of the contact element:	X, Y, X+Y, X+X, Y+Y, Y+Y+X, X+X+Y, X+X+Y+Y, Zb
Positive opening of contacts on contact blocks	B01, B11, B02, B12, B21, B22, G01, G11, G02, G12, G21, G22, L01, L11, L02, L12, L21, L22, H01, H11, H02 H12, H21, H22
In conformity with standards:	EN 60947-1, EN 60947-5-1 + A1:2009, fundamental requirements of the Low Voltage Directive 2006/95/EC.

Please contact our technical service for the list of approved products.

Characteristics approved by UL

Utilization categories	R300 pilot duty (28 VA, 125-250 Vdc) B300 pilot duty (360 VA, 120-240 Vac) (1-2-3 cont.) C300 pilot duty (180 VA, 120-240 Vac) (4 cont.)
Data of housing type 1, 4X "indoor use only"; 12.	
Housing data for versions with 1-2 contacts and type N cable type 1, 4X "indoor use only"	
In conformity with standard:	UL 508, CSA 22.2 No. 14

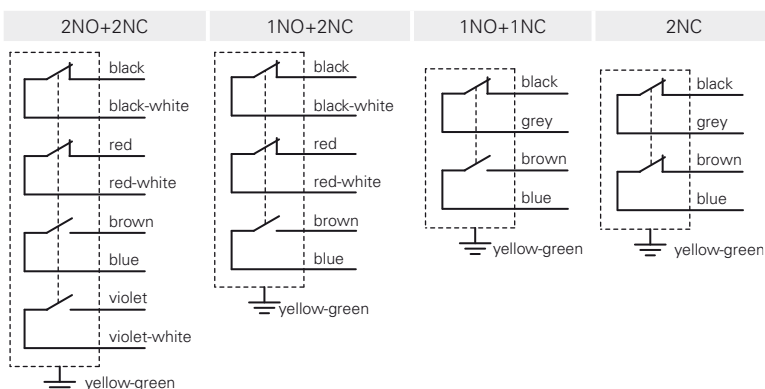
Please contact our technical service for the list of approved products.



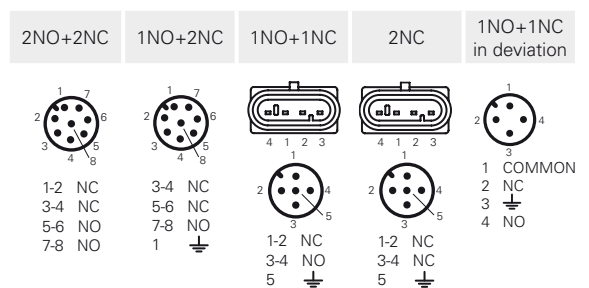
Utilization temperatures and electrical data

		Output with cable								Output with M12 connector		Output with AMP connector		
		Versions with 2 contacts			Versions with 3 contacts			Versions with 4 contacts		Versions with 2 contacts	Versions with 3/4 contacts	Versions with 2 contacts		
		Cable type N 5x0.75 mm ² ,	Cable type G 5x0.75 mm ² ,	Cable type H 5x0.75 mm ² ,	Cable type R 5x0.5 mm ²	Cable type N 7x0.5 mm ²	Cable type H 7x0.5 mm ² ,	Cable type N 9x0.34 mm ²	Cable type R 9x0.5 mm ²	M12 connector 5 poles	M12 connector 8 poles	AMP super-seal 1.5 connector		
		Max. speed 100 m/min Max. acceleration 2 m/s ²			Cable for railway applications EN50306-4 1E-300V-5x0.5 mm ² MM-90 Cable in conformity with standards: EN 50306-4 EN 45555 Self-extinguishing: IEC 60332-1 EN 50305 EN 50306-1	Sheath PVC 03VV-F, self-extinguishing IEC 60332-1-2 IEC 60332-1-3	Max. speed 300 m/min Max. acceleration 25 m/s ²			Sheath PVC 03VV-F, self-extinguishing IEC 60332-1-2 IEC 60332-1-3	Cable for railway applications EN50306-4 1P-300V-9x0.5 mm ² MM-90 Cable in conformity with standards: EN 50306-4 EN 45555 Self-extinguishing: IEC 60332-1 EN 50305 EN 50306-1			
		Minimum bending radius: 72 mm	Minimum bending radius: 72 mm	Minimum bending radius: 70 mm Without halogen Oil resistant IEC 60811-2-1	Minimum bending radius: 60 mm	Minimum bending radius: 108 mm	Minimum bending radius: 108 mm Without halogen Oil resistant IEC 60811-2-1	Minimum bending radius: 94 mm	Minimum bending radius: 60 mm					
		External diameter: 8 mm	External diameter: 8 mm	External diameter: 8 mm	External diameter: 6 mm	External diameter: 7 mm	External diameter: 7 mm	External diameter: 7 mm	External diameter: 6,5 mm					
		Stripped end: 80 mm	Stripped end: 80 mm	Stripped end: 80 mm	Stripped end: 80 mm	Stripped end: 80 mm	Stripped end: 80 mm	Stripped end: 80 mm	Stripped end: 80 mm					
		Class 5 copper IEC 60228	Class 5 copper IEC 60228	IEC 60228 class 6 copper	Class 5 copper IEC 60228	Class 5 copper IEC 60228	Class 6 copper IEC 60228	Class 5 copper IEC 60228	Class 5 copper IEC 60228					
Ambient temperature standard extended (-T ₆)	Cable fixed installation	-25 °C ... +70 °C	-25 °C ... +70 °C	-25 °C ... +80 °C	-25 °C +80 °C	-25 °C ... +80 °C	-25 °C ... +80 °C	-25 °C ... +80 °C	-25 °C +80 °C					
	Cable flexible installation	+5 °C ... +70 °C	+5 °C ... +70 °C	-25 °C ... +80 °C	-25 °C +80 °C	-5 °C ... +80 °C	-25 °C ... +80 °C	-5 °C ... +80 °C	-25 °C +80 °C			-25 °C ... +80 °C		
	Cable mobile installation	/	/	-25 °C ... +80 °C	/	/	-25 °C ... +80 °C	/	/					
	Cable fixed installation	/	/	-40 °C ... +80 °C	-40 °C ... +80 °C	/	-40 °C ... +80 °C	/	-40 °C +80 °C					
	Cable flexible installation	/	/	-40 °C ... +80 °C	-40 °C ... +80 °C	/	-30 °C ... +80 °C	/	-40 °C +80 °C			-40 °C ... +80 °C		
	Cable mobile installation	/	/	-40 °C ... +80 °C	/	/	-30 °C ... +80 °C	/	/					
Electrical data	Thermal current I _{th}	10 A	10 A	10 A	6 A	6 A	6 A	3 A	4 A	4 A	2 A	10 A		
	Rated insulation voltage U _i	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac 300 Vdc	30 Vac 36 Vdc	250 Vac 300 Vdc		
	Protection against short circuits (fuse)	10 A 500 V type gG	10 A 500 V type gG	10 A 500 V type gG	6 A 500 V type gG	6 A 500 V type gG	6 A 500 V type gG	3 A 500 V type gG	4 A 500 V type gG	4 A 500 V type gG	2 A 500 V type gG	10 A 500 V type gG		
	Utilization category DC13	24 V	2 A	2 A	2 A	2 A	2 A	2 A	2 A	2 A	2 A	2 A		
	125 V	0.4 A	0.4 A	0.4 A	0.4 A	0.4 A	0.4 A	0.4 A	0.4 A	0.4 A	/	0.4 A		
	250 V	0.3 A	0.3 A	0.3 A	0.3 A	0.3 A	0.3 A	0.3 A	0.3 A	0.3 A	/	0.3 A		
Utilization category AC15	24 V	4 A	4 A	4 A	4 A	4 A	4 A	3 A	4 A	4 A	2 A	4 A		
120 V	4 A	4 A	4 A	4 A	4 A	4 A	4 A	3 A	4 A	4 A	/	4 A		
250 V	4 A	4 A	4 A	4 A	4 A	4 A	4 A	3 A	4 A	4 A	/	4 A		
Approvals		CE cULus IMQ EAC CCC	CE EAC CCC	CE cULus IMQ EAC CCC	CE IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus IMQ EAC CCC	CE IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus EAC CCC	CE cULus EAC CCC		

Internal connections of the cable



Internal connections of the connector



Female connectors See page 226

Contact type:

- R** = snap action
- L** = slow action

Contact blocks	With external rubber gasket		With external rubber gasket	
B11 R	NA B110AA-DN2	➔ 1NO+1NC	NA B110AB-DN2	➔ 1NO+1NC
B02 R	NA B020AA-DN2	➔ 2NC	NA B020AB-DN2	➔ 2NC
B12 R	NA B120AA-DN2	➔ 1NO+2NC	NA B120AB-DN2	➔ 1NO+2NC
B22 R	NA B220AA-DN2	➔ 2NO+2NC	NA B220AB-DN2	➔ 2NO+2NC
G11 L	NA G110AA-DN2	➔ 1NO+1NC	NA G110AB-DN2	➔ 1NO+1NC
G02 L	NA G020AA-DN2	➔ 2NC	NA G020AB-DN2	➔ 2NC
G12 L	NA G120AA-DN2	➔ 1NO+2NC	NA G120AB-DN2	➔ 1NO+2NC
G22 L	NA G220AA-DN2	➔ 2NO+2NC	NA G220AB-DN2	➔ 2NO+2NC
Max. speed	page 243 - type 4		page 243 - type 4	
Min. force	7 N (25 N ➔)		7 N (25 N ➔)	
Travel diagrams	page 244 - group 1		page 244 - group 1	

Contact blocks	With external rubber gasket		With external rubber gasket		With stainless steel roller on request	
B11 R	NA B110BB-DN2	➔ 1NO+1NC	NA B110BE-DN2	➔ 1NO+1NC	NA B110BG-DN2	➔ 1NO+1NC
B02 R	NA B020BB-DN2	➔ 2NC	NA B020BE-DN2	➔ 2NC	NA B020BG-DN2	➔ 2NC
B12 R	NA B120BB-DN2	➔ 1NO+2NC	NA B120BE-DN2	➔ 1NO+2NC	NA B120BG-DN2	➔ 1NO+2NC
B22 R	NA B220BB-DN2	➔ 2NO+2NC	NA B220BE-DN2	➔ 2NO+2NC	NA B220BG-DN2	➔ 2NO+2NC
G11 L	NA G110BB-DN2	➔ 1NO+1NC	NA G110BE-DN2	➔ 1NO+1NC	NA G110BG-DN2	➔ 1NO+1NC
G02 L	NA G020BB-DN2	➔ 2NC	NA G020BE-DN2	➔ 2NC	NA G020BG-DN2	➔ 2NC
G12 L	NA G120BB-DN2	➔ 1NO+2NC	NA G120BE-DN2	➔ 1NO+2NC	NA G120BG-DN2	➔ 1NO+2NC
G22 L	NA G220BB-DN2	➔ 2NO+2NC	NA G220BE-DN2	➔ 2NO+2NC	NA G220BG-DN2	➔ 2NO+2NC
Max. speed	page 243 - type 2		page 243 - type 5		page 243 - type 3	
Min. force	7 N (25 N ➔)		7 N (25 N ➔)		5 N (25 N ➔)	
Travel diagrams	page 244 - group 1		page 244 - group 1		page 244 - group 2	

NB series housing	M12 connector, right	M12 connector, bottom	AMP superseal 1.5 connector
To purchase a NB series product: replace NA with NB in the codes shown above. Example: NA B110AA-DN2 → NB B110AA-DN2	To purchase a product with M12 connector from the right replace DN2 with DMK in the codes shown above. Example: NA B110AA-DN2 → NA B110AA-DMK	To purchase a product with M12 connector from below replace DN2 with SMK in the codes shown above. Example: NA B110AA-DN2 → NA B110AA-SMK	To purchase a product with AMP connector replace DN2 with SAK in the codes shown above. Example: NA B110AA-DN2 → NA B110AA-SAK

All measures in the drawings are in mm

Items with code on green background are stock items

Accessories See page 225

→ The 2D/3D files are available at www.pizzato.com



Contact type: R = snap action L = slow action	With stainless steel roller on request	Operation in one direction	Fixed only by threaded head	
		It does not switch → ← It switches 		
Contact blocks				
B11 R	NA B110CH-DN2 → 1NO+1NC	NA B110CP-DN2 → 1NO+1NC	NA B110CV-DN2 → 1NO+1NC	NA B110EB-DN2 → 1NO+1NC
B02 R	NA B020CH-DN2 → 2NC	NA B020CP-DN2 → 2NC	NA B020CV-DN2 → 2NC	NA B020EB-DN2 → 2NC
B12 R	NA B120CH-DN2 → 1NO+2NC	NA B120CP-DN2 → 1NO+2NC	NA B120CV-DN2 → 1NO+2NC	NA B120EB-DN2 → 1NO+2NC
B22 R	NA B220CH-DN2 → 2NO+2NC	NA B220CP-DN2 → 2NO+2NC	NA B220CV-DN2 → 2NO+2NC	NA B220EB-DN2 → 2NO+2NC
G11 L	NA G110CH-DN2 → 1NO+1NC	NA G110CP-DN2 → 1NO+1NC	NA G110CV-DN2 → 1NO+1NC	NA G110EB-DN2 → 1NO+1NC
G02 L	NA G020CH-DN2 → 2NC	NA G020CP-DN2 → 2NC	NA G020CV-DN2 → 2NC	NA G020EB-DN2 → 2NC
G12 L	NA G120CH-DN2 → 1NO+2NC	NA G120CP-DN2 → 1NO+2NC	NA G120CV-DN2 → 1NO+2NC	NA G120EB-DN2 → 1NO+2NC
G22 L	NA G220CH-DN2 → 2NO+2NC	NA G220CP-DN2 → 2NO+2NC	NA G220CV-DN2 → 2NO+2NC	NA G220EB-DN2 → 2NO+2NC
Max. speed	page 243 - type 3	page 243 - type 3	page 243 - type 3	page 243 - type 4
Min. force	5 N (25 N →)	3 N (25 N →)	3 N (25 N →)	7 N (25 N →)
Travel diagrams	page 244 - group 2	page 244 - group 6	page 244 - group 3	page 244 - group 1

Contact blocks	Fixed only by threaded head With external rubber gasket	Fixed only by threaded head	Plunger with Ø 6 mm ball	With external rubber gasket
B11 R	NA B110EE-DN2 → 1NO+1NC	NA B110FB-DN2 → 1NO+1NC	NA B110GB-DN2 → 1NO+1NC	NA B110HB-DN2 1NO+1NC
B02 R	NA B020EE-DN2 → 2NC	NA B020FB-DN2 → 2NC	NA B020GB-DN2 → 2NC	NA B020HB-DN2 2NC
B12 R	NA B120EE-DN2 → 1NO+2NC	NA B120FB-DN2 → 1NO+2NC	NA B120GB-DN2 → 1NO+2NC	NA B120HB-DN2 1NO+2NC
B22 R	NA B220EE-DN2 → 2NO+2NC	NA B220FB-DN2 → 2NO+2NC	NA B220GB-DN2 → 2NO+2NC	NA B220HB-DN2 2NO+2NC
G11 L	NA G110EE-DN2 → 1NO+1NC	NA G110FB-DN2 → 1NO+1NC	NA G110GB-DN2 → 1NO+1NC	
G02 L	NA G020EE-DN2 → 2NC	NA G020FB-DN2 → 2NC	NA G020GB-DN2 → 2NC	NA G020HB-DN2 2NC
G12 L	NA G120EE-DN2 → 1NO+2NC	NA G120FB-DN2 → 1NO+2NC	NA G120GB-DN2 → 1NO+2NC	
G22 L	NA G220EE-DN2 → 2NO+2NC	NA G220FB-DN2 → 2NO+2NC	NA G220GB-DN2 → 2NO+2NC	
Max. speed	page 243 - type 4	page 243 - type 2	page 243 - type 2	1 m/s
Min. force	7 N (25 N →)	7 N (25 N →)	7 N (25 N →)	0.03 Nm
Travel diagrams	page 244 - group 1	page 244 - group 1	page 244 - group 1	page 244 - group 4

All measures in the drawings are in mm

Contact type:
R = snap action
L = slow action

	With external rubber gasket		With external rubber gasket		With stainless steel roller on request		With stainless steel roller on request	
Contact blocks								
B11	R	NA B110HE-DN2 1NO+1NC	NA B110HH-DN2 1NO+1NC	NA B112KA-DN2	⊕ 1NO+1NC	NA B112KB-DN2	⊕ 1NO+1NC	
B02	R	NA B020HE-DN2 2NC	NA B020HH-DN2 2NC	NA B022KA-DN2	⊕ 2NC	NA B022KB-DN2	⊕ 2NC	
B12	R	NA B120HE-DN2 1NO+2NC	NA B120HH-DN2 1NO+2NC	NA B122KA-DN2	⊕ 1NO+2NC	NA B122KB-DN2	⊕ 1NO+2NC	
B22	R	NA B220HE-DN2 2NO+2NC	NA B220HH-DN2 2NO+2NC	NA B222KA-DN2	⊕ 2NO+2NC	NA B222KB-DN2	⊕ 2NO+2NC	
G11	L			NA G112KA-DN2	⊕ 1NO+1NC	NA G112KB-DN2	⊕ 1NO+1NC	
G02	L	NA G020HE-DN2 2NC	NA G020HH-DN2 2NC	NA G022KA-DN2	⊕ 2NC	NA G022KB-DN2	⊕ 2NC	
G12	L			NA G122KA-DN2	⊕ 1NO+2NC	NA G122KB-DN2	⊕ 1NO+2NC	
G22	L			NA G222KA-DN2	⊕ 2NO+2NC	NA G222KB-DN2	⊕ 2NO+2NC	
Max. speed	1 m/s		1 m/s		page 243 - type 1		page 243 - type 1	
Min. force	0.07 Nm		0.03 Nm		0.07 Nm (0.25 Nm ⊕)		0.07 Nm (0.25 Nm ⊕)	
Travel diagrams	page 244 - group 4		page 244 - group 4		page 244 - group 5		page 244 - group 5	

	With stainless steel roller on request		With stainless steel roller on request		With stainless steel roller on request		With stainless steel roller on request	
Contact blocks								
B11	R	NA B112KC-DN2 ⊕ 1NO+1NC	NA B112KD-DN2 ⊕ 1NO+1NC	NA B112KE-DN2	⊕ 1NO+1NC	NA B112KF-DN2	⊕ 1NO+1NC	
B02	R	NA B022KC-DN2 ⊕ 2NC	NA B022KD-DN2 ⊕ 2NC	NA B022KE-DN2	⊕ 2NC	NA B022KF-DN2	⊕ 2NC	
B12	R	NA B122KC-DN2 ⊕ 1NO+2NC	NA B122KD-DN2 ⊕ 1NO+2NC	NA B122KE-DN2	⊕ 1NO+2NC	NA B122KF-DN2	⊕ 1NO+2NC	
B22	R	NA B222KC-DN2 ⊕ 2NO+2NC	NA B222KD-DN2 ⊕ 2NO+2NC	NA B222KE-DN2	⊕ 2NO+2NC	NA B222KF-DN2	⊕ 2NO+2NC	
G11	L	NA G112KC-DN2 ⊕ 1NO+1NC	NA G112KD-DN2 ⊕ 1NO+1NC	NA G112KE-DN2	⊕ 1NO+1NC	NA G112KF-DN2	⊕ 1NO+1NC	
G02	L	NA G022KC-DN2 ⊕ 2NC	NA G022KD-DN2 ⊕ 2NC	NA G022KE-DN2	⊕ 2NC	NA G022KF-DN2	⊕ 2NC	
G12	L	NA G122KC-DN2 ⊕ 1NO+2NC	NA G122KD-DN2 ⊕ 1NO+2NC	NA G122KE-DN2	⊕ 1NO+2NC	NA G122KF-DN2	⊕ 1NO+2NC	
G22	L	NA G222KC-DN2 ⊕ 2NO+2NC	NA G222KD-DN2 ⊕ 2NO+2NC	NA G222KE-DN2	⊕ 2NO+2NC	NA G222KF-DN2	⊕ 2NO+2NC	
Max. speed	page 243 - type 1		page 243 - type 1		page 243 - type 1		page 243 - type 1	
Min. force	0.07 Nm (0.25 Nm ⊕)		0.07 Nm (0.25 Nm ⊕)		0.07 Nm (0.25 Nm ⊕)		0.07 Nm (0.25 Nm ⊕)	
Travel diagrams	page 244 - group 5		page 244 - group 5		page 244 - group 5		page 244 - group 5	

NB series housing	M12 connector, right	M12 connector, bottom	AMP superseal 1.5 connector
To purchase a NB series product: replace NA with NB in the codes shown above. Example: NA B110AA-DN2 → NB B110AA-DN2	To purchase a product with M12 connector from the right replace DN2 with DMK in the codes shown above. Example: NA B110AA-DN2 → NA B110AA-DMK	To purchase a product with M12 connector from below replace DN2 with SMK in the codes shown above. Example: NA B110AA-DN2 → NA B110AA-SMK	To purchase a product with AMP connector replace DN2 with SAK in the codes shown above. Example: NA B110AA-DN2 → NA B110AA-SAK

All measures in the drawings are in mm

Items with code on green background are stock items

Accessories See page 225

→ The 2D/3D files are available at www.pizzato.com



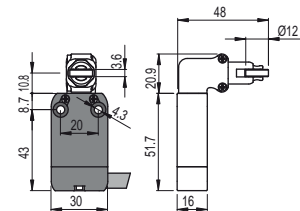
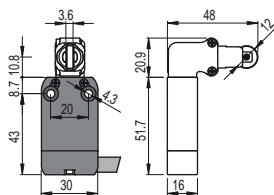
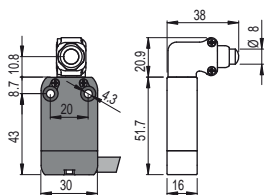
Contact type:	With stainless steel roller on request	With stainless steel roller on request	With stainless steel roller on request	Square rod, 3x3 mm, stainless steel
R = snap action L = slow action				
Contact blocks				
B11 R	NA B112KG-DN2 (1NO+1NC)	NA B112KH-DN2 (1NO+1NC)	NA B112KP-DN2 (1NO+1NC)	NA B112LB-DN2 (1NO+1NC)
B02 R	NA B022KG-DN2 (2NC)	NA B022KH-DN2 (2NC)	NA B022KP-DN2 (2NC)	NA B022LB-DN2 (2NC)
B12 R	NA B122KG-DN2 (1NO+2NC)	NA B122KH-DN2 (1NO+2NC)	NA B122KP-DN2 (1NO+2NC)	NA B122LB-DN2 (1NO+2NC)
B22 R	NA B222KG-DN2 (2NO+2NC)	NA B222KH-DN2 (2NO+2NC)	NA B222KP-DN2 (2NO+2NC)	NA B222LB-DN2 (2NO+2NC)
G11 L	NA G112KG-DN2 (1NO+1NC)	NA G112KH-DN2 (1NO+1NC)	NA G112KP-DN2 (1NO+1NC)	NA G112LB-DN2 (1NO+1NC)
G02 L	NA G022KG-DN2 (2NC)	NA G022KH-DN2 (2NC)	NA G022KP-DN2 (2NC)	NA G022LB-DN2 (2NC)
G12 L	NA G122KG-DN2 (1NO+2NC)	NA G122KH-DN2 (1NO+2NC)	NA G122KP-DN2 (1NO+2NC)	NA G122LB-DN2 (1NO+2NC)
G22 L	NA G222KG-DN2 (2NO+2NC)	NA G222KH-DN2 (2NO+2NC)	NA G222KP-DN2 (2NO+2NC)	NA G222LB-DN2 (2NO+2NC)
Max. speed	page 243 - type 1	page 243 - type 1	page 243 - type 1	1.5 m/s
Min. force	0.07 Nm (0.25 Nm ⊕)	0.07 Nm (0.25 Nm ⊕)	0.07 Nm (0.25 Nm ⊕)	0.07 Nm
Travel diagrams	page 244 - group 5	page 244 - group 5	page 244 - group 5	page 244 - group 5

Contact blocks	Round rod, Ø 3 mm, stainless steel	Fiber glass rod		Porcelain roller
B11 R	NA B112LE-DN2 (1NO+1NC)	NA B112LH-DN2 (1NO+1NC)	NA B112LL-DN2 (1NO+1NC)	NA B112LP-DN2E24 (1NO+1NC)
B02 R	NA B022LE-DN2 (2NC)	NA B022LH-DN2 (2NC)	NA B022LL-DN2 (2NC)	NA B022LP-DN2E24 (2NC)
B12 R	NA B122LE-DN2 (1NO+2NC)	NA B122LH-DN2 (1NO+2NC)	NA B122LL-DN2 (1NO+2NC)	NA B122LP-DN2E24 (1NO+2NC)
B22 R	NA B222LE-DN2 (2NO+2NC)	NA B222LH-DN2 (2NO+2NC)	NA B222LL-DN2 (2NO+2NC)	NA B222LP-DN2E24 (2NO+2NC)
G11 L	NA G112LE-DN2 (1NO+1NC)	NA G112LH-DN2 (1NO+1NC)	NA G112LL-DN2 (1NO+1NC)	NA G112LP-DN2E24 (1NO+1NC)
G02 L	NA G022LE-DN2 (2NC)	NA G022LH-DN2 (2NC)	NA G022LL-DN2 (2NC)	NA G022LP-DN2E24 (2NC)
G12 L	NA G122LE-DN2 (1NO+2NC)	NA G122LH-DN2 (1NO+2NC)	NA G122LL-DN2 (1NO+2NC)	NA G122LP-DN2E24 (1NO+2NC)
G22 L	NA G222LE-DN2 (2NO+2NC)	NA G222LH-DN2 (2NO+2NC)	NA G222LL-DN2 (2NO+2NC)	NA G222LP-DN2E24 (2NO+2NC)
Max. speed	1.5 m/s	1.5 m/s	1.5 m/s	0.5 m/s
Min. force	0.07 Nm	0.07 Nm	0.07 Nm	0.04 Nm
Travel diagrams	page 244 - group 5	page 244 - group 5	page 244 - group 5	page 244 - group 5

All measures in the drawings are in mm

Contact type:

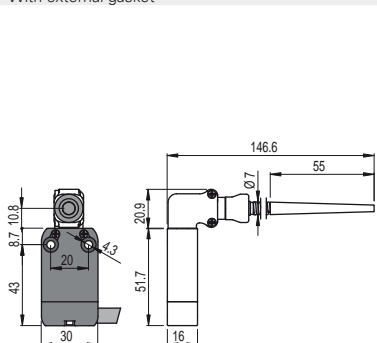
- R** = snap action
- L** = slow action



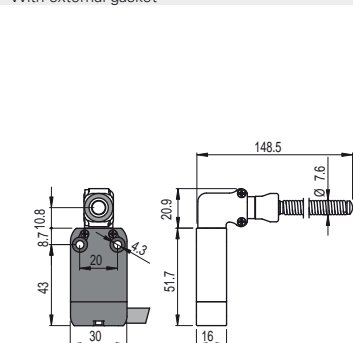
Contact blocks

B11	R	NA B110AB-DN2W5	⊕ 1NO+1NC	NA B110BB-DN2H0W5	⊕ 1NO+1NC	NA B110BB-DN2W5	⊕ 1NO+1NC
B02	R	NA B020AB-DN2W5	⊕ 2NC	NA B020BB-DN2H0W5	⊕ 2NC	NA B020BB-DN2W5	⊕ 2NC
B12	R	NA B120AB-DN2W5	⊕ 1NO+2NC	NA B120BB-DN2H0W5	⊕ 1NO+2NC	NA B120BB-DN2W5	⊕ 1NO+2NC
B22	R	NA B220AB-DN2W5	⊕ 2NO+2NC	NA B220BB-DN2H0W5	⊕ 2NO+2NC	NA B220BB-DN2W5	⊕ 2NO+2NC
G11	L	NA G110AB-DN2W5	⊕ 1NO+1NC	NA G110BB-DN2H0W5	⊕ 1NO+1NC	NA G110BB-DN2W5	⊕ 1NO+1NC
G02	L	NA G020AB-DN2W5	⊕ 2NC	NA G020BB-DN2H0W5	⊕ 2NC	NA G020BB-DN2W5	⊕ 2NC
G12	L	NA G120AB-DN2W5	⊕ 1NO+2NC	NA G120BB-DN2H0W5	⊕ 1NO+2NC	NA G120BB-DN2W5	⊕ 1NO+2NC
G22	L	NA G220AB-DN2W5	⊕ 2NO+2NC	NA G220BB-DN2H0W5	⊕ 2NO+2NC	NA G220BB-DN2W5	⊕ 2NO+2NC
Max. speed		page 243 - type 4		page 243 - type 2		page 243 - type 2	
Min. force		9.5 N (25 N ⊕)		9.5 N (25 N ⊕)		9.5 N (25 N ⊕)	
Travel diagrams		page 244 - group 1		page 244 - group 1		page 244 - group 1	

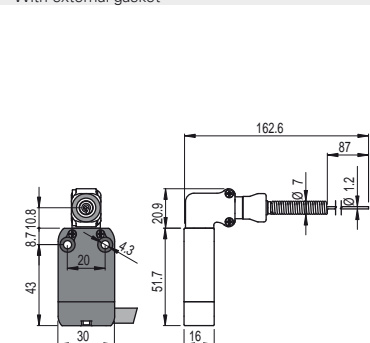
With external gasket



With external gasket



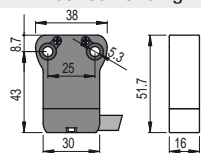
With external gasket



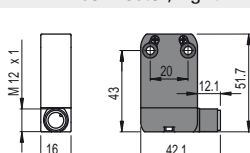
Contact blocks

B11	R	NA B110HB-DN2W5	1NO+1NC	NA B110HE-DN2W5	1NO+1NC	NA B110HH-DN2W5	1NO+1NC
B02	R	NA B020HB-DN2W5	2NC	NA B020HE-DN2W5	2NC	NA B020HH-DN2W5	2NC
B12	R	NA B120HB-DN2W5	1NO+2NC	NA B120HE-DN2W5	1NO+2NC	NA B120HH-DN2W5	1NO+2NC
B22	R	NA B220HB-DN2W5	2NO+2NC	NA B220HE-DN2W5	2NO+2NC	NA B220HH-DN2W5	2NO+2NC
G11	L						
G02	L	NA G020HB-DN2W5	2NC	NA G020HE-DN2W5	2NC	NA G020HH-DN2W5	2NC
G12	L						
G22	L						
Max. speed		1 m/s		1 m/s		1 m/s	
Min. force		0.08 Nm		0.12 Nm		0.08 Nm	
Travel diagrams		page 244 - group 4		page 244 - group 4		page 244 - group 4	

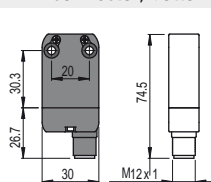
NB series housing



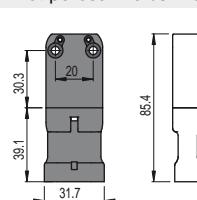
M12 connector, right



M12 connector, bottom



AMP superseal 1.5 connector



To purchase a NB series product:
replace NA with NB in the codes shown above. Example:
NA B110AA-DN2 → NB B110AA-DN2

To purchase a product with M12 connector from the right replace DN2 with DMK in the codes shown above. Example:
NA B110AA-DN2 → NA B110AA-DMK

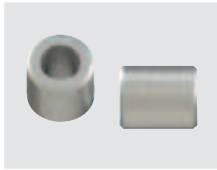
To purchase a product with M12 connector from below replace DN2 with SMK in the codes shown above. Example:
NA B110AA-DN2 → NA B110AA-SMK

To purchase a product with AMP connector replace DN2 with SAK in the codes shown above. Example:
NA B110AA-DN2 → NA B110AA-SAK

All measures in the drawings are in mm

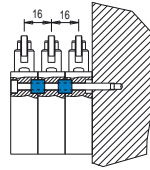
Accessories

Article	Description
VN DT1F	Spacer for NA-NF series
VF D16B	Spacer for NB series



By interposing the spacers between one switch and the next, it is possible to have 2 or more prewired switches, preventing them from moving in relation to one another.

10 pcs. packs



M12 connectors with cable

for details see page 225



Technical data:

- Polyurethane connector body (4/5/8 poles)
- Polypropylene connector body (12 poles)
- Class 6 rated copper of the wires according to IEC 60228 for mobile installation (4/5/8 poles)
- Class 5 rated copper of the wires according to IEC 60228 for fixed installation (12 poles)
- Gold-plated contacts (resistance < 5 mΩ)
- Self locking ring nut
- High flexibility wire suitable to be used in movable chains, with PVC sheath conforming to IEC 60332-3 and CEI 20-22II standards. With polyurethane sheath on request (4/5/8 poles)
- PVC cable, fixed installation (12 poles)

Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

VF CA4PD3M

No. of poles	
4	4 poles
5	5 poles
8	8 poles
12	12 poles

Sheath coating	
P	PVC (standard)
U	PUR

Connector type	
D	straight (standard)
G	angled

Connection type		No. of poles			
M	M12x1				
Cable length (L)		4	5	8	12
1	1 metre				
2	2 metres				
3	3 metres (standard)	•	•		
4	4 metres				
5	5 metres (standard)	•	•	•	•
...					
0	10 metres (standard)	•	•	•	•

Other lengths on request

Stock items

VF CA4PD3M
VF CA4PD5M
VF CA4PD0M
VF CA5PD3M
VF CA5PD5M
VF CA5PD0M
VF CA8PD5M
VF CA8PD0M
VF CA12PD5M
VF CA12PD0M

Attention! No stock item, minimum order quantity 100 pcs.

M12 sockets, field wireable



General data

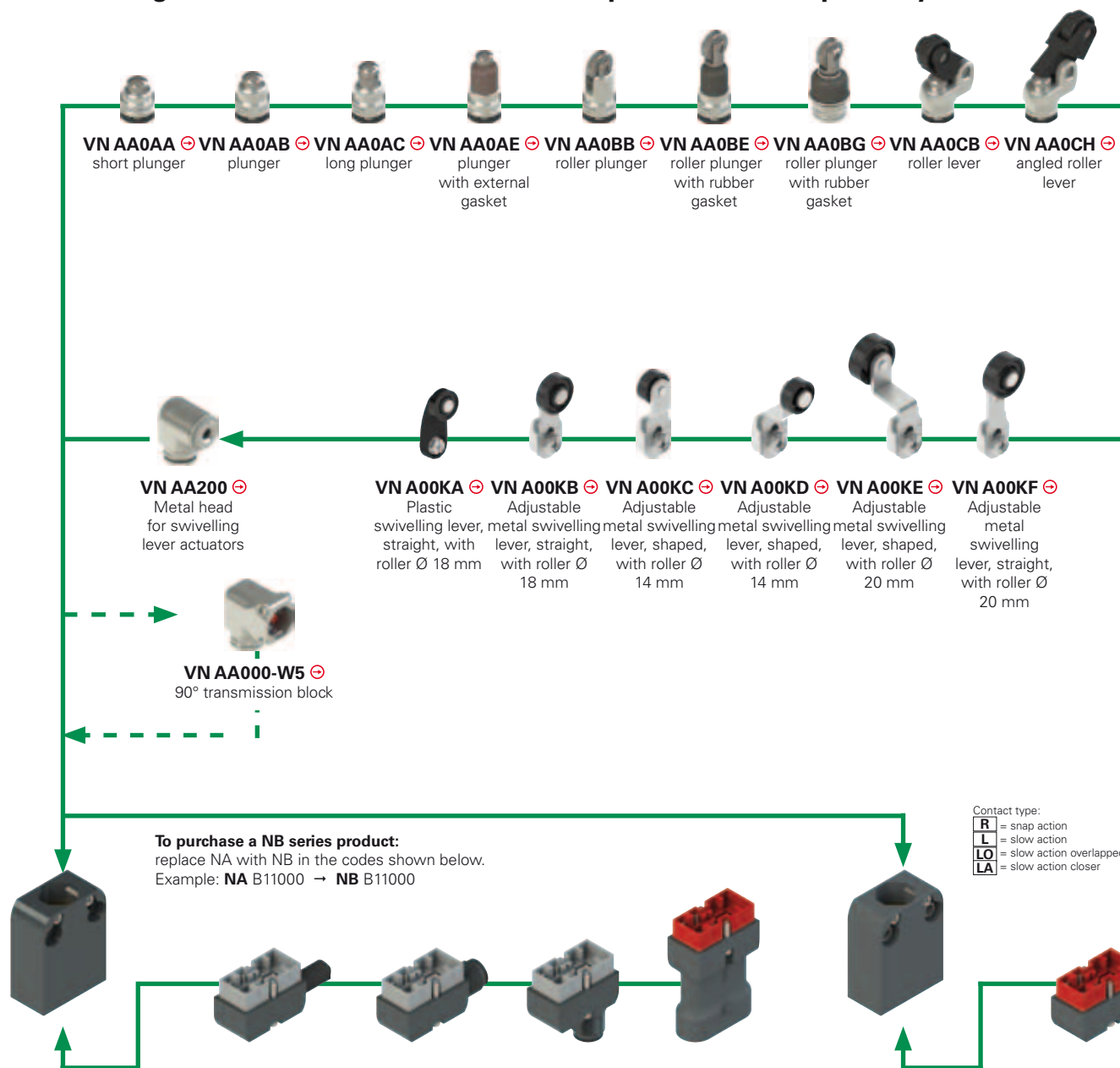
Technopolymer connector body
Gold-plated contacts
Screw terminals for wiring
Max. operating voltages 250 Vac/dc (4 and 5 poles)
30 Vac/dc (8 poles)
Maximum current 4 A
Protection degree IP67 according to EN 60529
Ambient temperature -25°C ... +85°C
Wire cross-section from 0.25 mm² (24 AWG) to 0.5 mm² (20 AWG)

Article	Description	no. of poles
VF CBMP4DM04	Field wireable M12 socket, straight, for multipolar cables from Ø 4 to Ø 6.5 mm	4
VF CBMP5DM04	Field wireable M12 socket, straight, for multipolar cables from Ø 4 to Ø 6.5 mm	5
VF CBMP8DM04	Field wireable M12 socket, straight, for multipolar cables from Ø 4 to Ø 7 mm	8

Items with code on **green** background are stock items

→ The 2D/3D files are available at www.pizzato.com

Selection diagram for NA - NB - NF series components sold separately



NA METAL housing hole spacing 20 mm	Metal connector with cable cable length (m)	M12 metal connector, right	M12 metal connector, bottom	AMP technopolymer connector, bottom	NFTECHNOPOLYMER housing, 20 mm hole spacing	Technopolymer connector with cable cable length (m)
NA B11000 ⊕ 1NO+1NC R	VN CM11DN2 2				NF B11000 ⊕ 1NO+1NC R	VN CP11DN2 2
NA G11000 ⊕ 1NO+1NC L		↔ VN CM11DMK ↔	VN CM11SMK ↔	VN CM11SAK	NF G11000 ⊕ 1NO+1NC L	
NA L11000 ⊕ 1NO+1NC LA	VN CM11DN5 5				NF L11000 ⊕ 1NO+1NC LA	VN CP11DN5 5
NA H11000 ⊕ 1NO+1NC LO		↔ VN CM02DMK ↔	VN CM02SMK ↔	VN CM02SAK	NF H11000 ⊕ 1NO+1NC LO	
NA B02000 ⊕ 2NC R	VN CM02DN2 2				NF B02000 ⊕ 2NC R	VN CP02DN2 2
NA G02000 ⊕ 2NC L	VN CM02DN5 5				NF G02000 ⊕ 2NC L	VN CP02DN5 5
NA B20000 ⊕ 2NO R	/	↔ VN CM20DMK ↔	VN CM20SMK ↔	VN CM20SAK	NF B20000 ⊕ 2NO R	/
NA G20000 ⊕ 2NO L	/				NF G20000 ⊕ 2NO L	/
NA B12000 ⊕ 1NO+2NC R	VN CM12DN2 2				NF B12000 ⊕ 1NO+2NC R	VN CP12DN2 2
NA G12000 ⊕ 1NO+2NC L		↔ VN CM12DMK ↔	VN CM12SMK		NF G12000 ⊕ 1NO+2NC L	
NA L12000 ⊕ 1NO+2NC LA	VN CM12DN5 5				NF L12000 ⊕ 1NO+2NC LA	VN CP12DN5 5
NA H12000 ⊕ 1NO+2NC LO					NF H12000 ⊕ 1NO+2NC LO	
NA B22000 ⊕ 2NO+2NC R	VN CM22DN2 2				NF B22000 ⊕ 2NO+2NC R	VN CP22DN2 2
NA G22000 ⊕ 2NO+2NC L		↔ VN CM22DMK ↔	VN CM22SMK		NF G22000 ⊕ 2NO+2NC L	
NA L22000 ⊕ 2NO+2NC LA	VN CM22DN5 5				NF L22000 ⊕ 2NO+2NC LA	VN CP22DN5 5
NA H22000 ⊕ 2NO+2NC LO					NF H22000 ⊕ 2NO+2NC LO	

⚠ It is forbidden to install VN CM••••• connectors on technopolymer housings

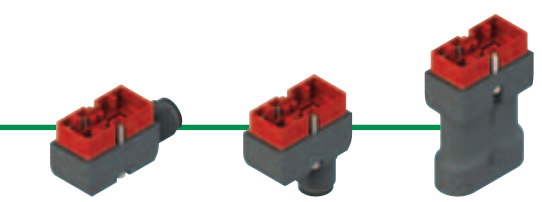
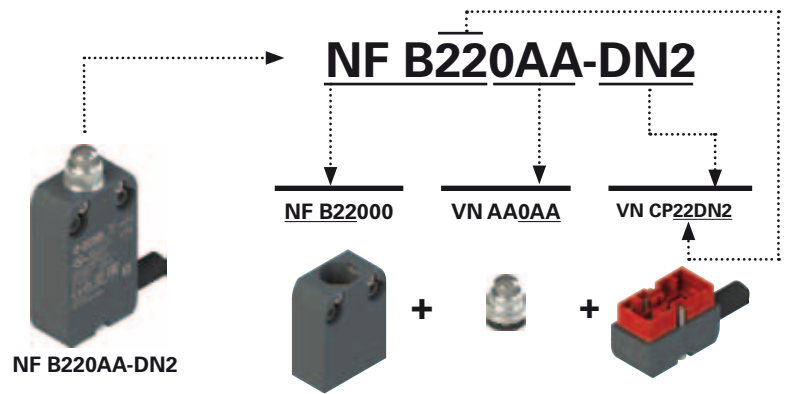
⚠ It is forbidden to install VN CP••••• connectors on metal housings



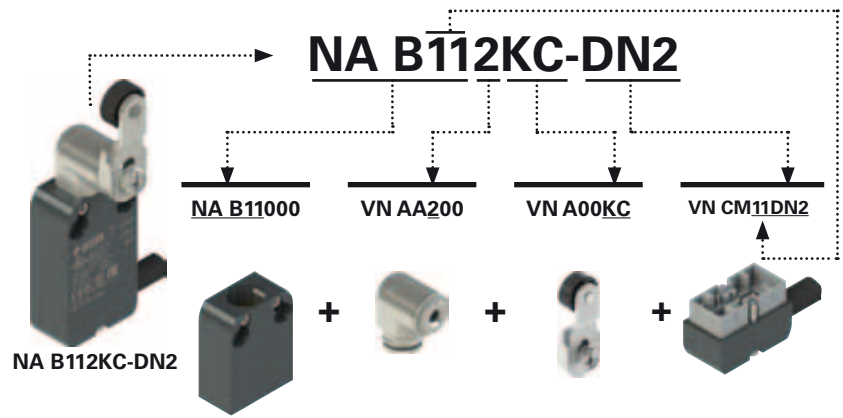
VN AA0CP ⊕ Unidirectional roller lever	VN AA0CV ⊕ Adjustable angled roller lever	VN AA0EB ⊕ Plunger with M12 threaded head	VN AA0EE ⊕ Plunger with M12 threaded head with external gasket	VN AA0FB ⊕ Roller plunger with M12 threaded head	VN AA0GB ⊕ Plunger with Ø 6 mm ball	VN AA0HB Flexible rod with plastic tip	VN AA0HE Flexible rod	VN AA0HH Flexible rod with needle

VN A00KG ⊕ Adjustable metal swivelling lever, shaped, with roller Ø 20 mm	VN A00KH ⊕ Adjustable metal swivelling lever, shaped, with roller Ø 20 mm	VN A00KP ⊕ Metal swivelling lever, straight, with roller Ø 20 mm, extended adjustment	VN A00LB Adjustable metal swivelling lever with stainless steel rod 3x3x125	VN A00LE Adjustable metal swivelling lever with stainless steel rod Ø3x125	VN A00LH Adjustable metal swivelling lever with fiber glass rod Ø6x200	VN A00LL Metal swivelling lever with adjustable flexible rod	VN A00LP ⊕ Metal swivelling lever with porcelain roll

Article code composition examples



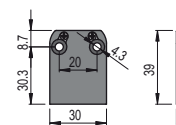
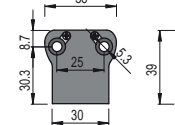
M12 technopolymer connector, right	M12 technopolymer connector, bottom	AMP technopolymer connector, bottom
↔ VN CP11DMK	↔ VN CP11SMK	↔ VN CP11SAK
↔ VN CP02DMK	↔ VN CP02SMK	↔ VN CP02SAK
↔ VN CP20DMK	↔ VN CP20SMK	↔ VN CP20SAK
↔ VN CP22DMK	↔ VN CP22SMK	
↔		



⚠ Installation for safety applications:
 To obtain a safety switch with positive opening ⊕, only join housings bearing the positive opening symbol next to the code ⊕ to actuators bearing the positive opening symbol next to the code ⊕.
 Example: **VN A00KB ⊕ + VN AA200 ⊕ + NA B11000 ⊕**

Housings

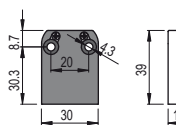
All measures in the drawings are in mm

NA metal housing	metal housing NB
	
NA B11000 ⊕ 1NO+1NC R	NB B11000 ⊕ 1NO+1NC R
NA G11000 ⊕ 1NO+1NC L	NB G11000 ⊕ 1NO+1NC L
NA B12000 ⊕ 1NO+2NC R	NB B12000 ⊕ 1NO+2NC R
NA G12000 ⊕ 1NO+2NC L	NB G12000 ⊕ 1NO+2NC L
NA L12000 ⊕ 1NO+2NC LA	NB L12000 ⊕ 1NO+2NC LA
NA B22000 ⊕ 2NO+2NC R	NB B22000 ⊕ 2NO+2NC R
NA G22000 ⊕ 2NO+2NC L	NB G22000 ⊕ 2NO+2NC L
NA L22000 ⊕ 2NO+2NC LA	NB L22000 ⊕ 2NO+2NC LA
NA H22000 ⊕ 2NO+2NC LO	NB H22000 ⊕ 2NO+2NC LO

Contact type:
R = snap action
L = slow action
LO = slow action overlapped
LA = slow action closer

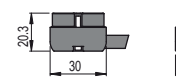
Markings and quality marks:



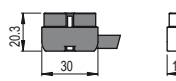
NF technopolymer housing

NF B11000 ⊕ 1NO+1NC R
NF G11000 ⊕ 1NO+1NC L
NF B12000 ⊕ 1NO+2NC R
NF G12000 ⊕ 1NO+2NC L
NF L12000 ⊕ 1NO+2NC LA
NF B22000 ⊕ 2NO+2NC R
NF G22000 ⊕ 2NO+2NC L
NF L22000 ⊕ 2NO+2NC LA
NF H22000 ⊕ 2NO+2NC LO

Connectors with cable

All measures in the drawings are in mm

metal connector for NA and NB housing	Cable length (m)	Cable type N = PVC H = PUR HALOGEN FREE
		
VN CM11DN2 1NO+1NC	2	N
VN CM11DN5 1NO+1NC	5	
VN CM12DN2 1NO+2NC	2	
VN CM12DN5 1NO+2NC	5	
VN CM22DN2 2NO+2NC	2	
VN CM22DN5 2NO+2NC	5	H
VN CM11DH2 1NO+1NC	2	
VN CM11DH5 1NO+1NC	5	
VN CM12DH2 1NO+2NC	2	
VN CM12DH5 1NO+2NC	5	

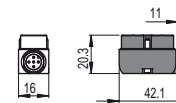

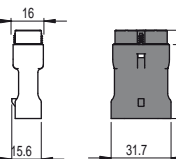
Other cable lengths on request

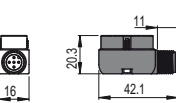
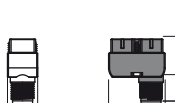
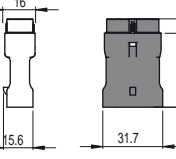
technopolymer connector for NF housing	Cable length (m)	Cable type N = PVC
		
VN CP11DN2 1NO+1NC	2	N
VN CP11DN5 1NO+1NC	5	
VN CP12DN2 1NO+2NC	2	
VN CP12DN5 1NO+2NC	5	
VN CP22DN2 2NO+2NC	2	
VN CP22DN5 2NO+2NC	5	

M12 or AMP connectors

All measures in the drawings are in mm

⚠ Important: Always check that the electric load used respects the voltage and current limits for the connectors. See tables on page 122 and 132

metal connectors for NA and NB housing	
M12 connector, right 	M12 connector, bottom 
VN CM11DMK 1NO+1NC	VN CM11SMK 1NO+1NC
VN CM02DMK 2NC	VN CM02SMK 2NC
VN CM22DMK 2NO+2NC	VN CM22SMK 2NO+2NC
technopolymer connectors for NA and NB housing	
AMP superseal 1.5 	
VN CM11SAK 1NO+1NC	
VN CM02SAK 2NC	
VN CM20SAK 2NO	

technopolymer connectors for NF housings	
M12 connector, right 	M12 connector, bottom 
VN CP11DMK 1NO+1NC	VN CP11SMK 1NO+1NC
VN CP02DMK 2NC	VN CP02SMK 2NC
VN CP22DMK 2NO+2NC	VN CP22SMK 2NO+2NC
AMP superseal 1.5 	
VN CP11SAK 1NO+1NC	
VN CP02SAK 2NC	
VN CP20SAK 2NO	

Items with code on green background are stock items

Accessories See page 225

→ The 2D/3D files are available at www.pizzato.com



Actuators

All measures in the drawings are in mm

 8.8	 11.3	 16.1	 21.3	 21.3	 31.3
VN AA0AA	VN AA0AB	VN AA0AC	VN AA0AE	VN AA0BB	VN AA0BE
 30.1	 30.3	 36.9	 31.4 (28.4-34.4) / 42.1	 26.3	 39.3
VN AA0CB	VN AA0CH	VN AA0CP	VN AA0CV	VN AA0EB	VN AA0EE
 37.3	 3.6	 119.9	 121.8	 135.9	
VN AA0FB	VN AA0GB	VN AA0HB	VN AA0HE	VN AA0HH	

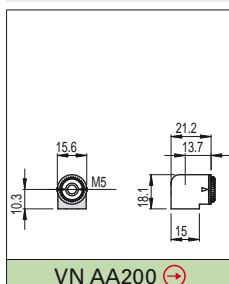
Levers

All measures in the drawings are in mm

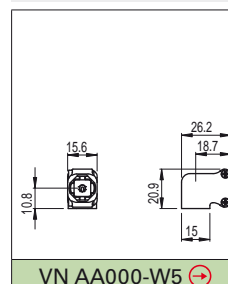
ATTENTION: These loose actuators can be used with products of series NA, NB and NF only.

 35	 35 (30-37)	 33 (28-35)	 33 (28-35)	 40 (35-42)	 48.6 (43.6-50.6)
VN A00KA	VN A00KB	VN A00KC	VN A00KD	VN A00KE	VN A00KF
 40 (35-42)	 43 (38-46)	 27-93	 19-116	 19-116	 19-189
VN A00KG	VN A00KH	VN A00KP	VN A00LB	VN A00LE	VN A00LH
 10.3	 80.3 (73.5-82.3)	Levers with stainless steel external metallic parts			
VN A00LL	VN A00LP	 35 (30-37)	 40 (35-42)	 40 (35-42)	 27-93
		VN A00KB-V38	VN A00KE-V38	VN A00KG-V38	VN A00KP-V38

Heads



90° transmission block



Items with code on **green** background are stock items

Accessories See page 225

The 2D/3D files are available at www.pizzato.com