

Plug with rubber coated coupling nut, short version

Series GB

Item number: GB603-32-A30PN-EAC
Packing unit: 1



MECHANICAL PROPERTIES

Size:	32
Contact type:	Pin
Number of contacts:	30
Number of contacts, size 12:	10
Number of contacts, size 16:	20
Shell material:	Aluminum alloy
Surface:	Epoxy-polyurethane
Type of surface:	Varnished
Thickness of surface treatment [μ]:	13-16 μ
Surface colour:	Black
Corrosion resistance [h]:	500
Operation temperature [$^{\circ}$ C]:	-55 - +125

MECHANICAL PROPERTIES

Temperature shock [°C]:	-55 - +125
Conductivity (MΩ):	Non conductive
EMI:	No
Material sealing ring:	Silicone
Coupling-torque to lock [Nm]:	max. 8.0
Coupling-torque to open [Nm]:	min. 3.6

THERMAL PROPERTIES

Material contact insert:	Ethylene acrylate GXF / thermoplastic
Operating temperature insert [°C]:	-55 - +150

ELECTRICAL PROPERTIES

Operating voltage DC [V]:	700
Operating voltage AC [V]:	500
Test voltage AC [V]:	2000
Insulation resistance (mΩ):	≥ 5000
Insulation creepage distance [mm]:	≥ 3.2
Voltage class:	MIL-DTL-5015

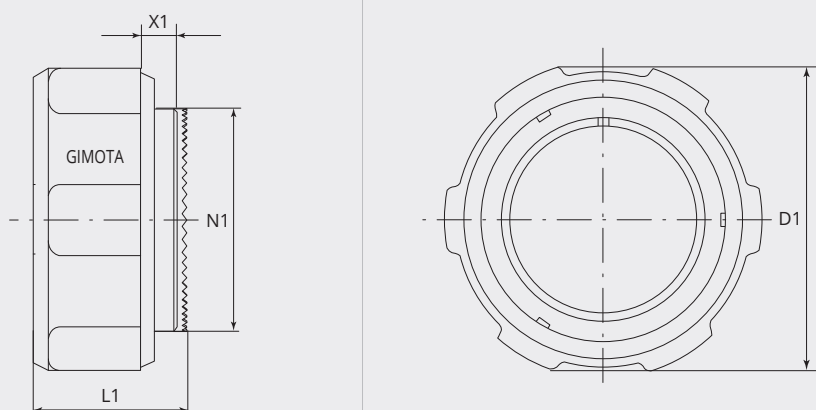
ELECTRICAL PROPERTIES CONTACTS

Size 12 - rated current (continuous) [A]:	23
Size 12 - maximum current (short-term) [A]:	41
Size 12 - test current [A]:	35
Size 16 - rated current (continuous) [A]:	13
Size 16 - maximum current (short-term) [A]:	22
Size 16 - test current [A]:	20

STANDARDS

Fire protection class EN 45545-2:	R23/HL3
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DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	76
L1 [mm]:	38
N1:	1 7/8"-16 UN 2A
X1 [mm]:	10.5

Pin contact size 12, 2.5mm²

Item number: 10-40561-22AU

Product weight (kg): 0.0023 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	41
Test current [A]:	35
Rated current (continuous) [A]:	23
Contact Material:	CU alloy
Protective layer:	Gold plated, 0.5µm
Connection type:	Crimp
Wire section [mm ²]:	2.5
Wire section [AWG]:	14
Stripping length [mm]:	9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	3.95
D3 Ø [mm]:	2.4
d1 Ø [mm]:	2.25
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 12, 0.75 - 1.0mm²

Item number: 10-40561-15AU

Product weight (kg): 0.0022 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm²]: 0.75 - 1.0

Wire section [AWG]: 22 - 18

Stripping length [mm]: 9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	3.35
D3 Ø [mm]:	2.4
d1 Ø [mm]:	1.45
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 12, 0.5mm²

Item number: 10-40561-11AU

Product weight (kg): 0.0022 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	41
Test current [A]:	35
Rated current (continuous) [A]:	23
Contact Material:	CU alloy
Protective layer:	Gold plated, 0.5µm
Connection type:	Crimp
Wire section [mm ²]:	0.5
Wire section [AWG]:	20
Stripping length [mm]:	9

DIMENSIONS



DIMENSIONS

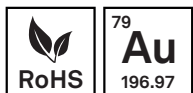
D1 Ø [mm]:	4.8
D2 Ø [mm]:	3
D3 Ø [mm]:	2.4
d1 Ø [mm]:	1.1
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 16, 1.0mm²

Item number: 10-40557AU

Product weight (kg): 0.001 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 22

Test current [A]: 20

Rated current (continuous) [A]: 13

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm²]: 1

Wire section [AWG]: 16

Stripping length [mm]: 7

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.9
D3 Ø [mm]:	1.6
d1 Ø [mm]:	1.8
L1 [mm]:	32
T1 [mm]:	6.4

Pin contact size 16, 1.5mm²

Item number: 10-40557-20-1AU

Product weight (kg): 0.001 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	22
Test current [A]:	20
Rated current (continuous) [A]:	13
Contact Material:	CU alloy
Protective layer:	Gold plated, 0.5µm
Connection type:	Crimp
Wire section [mm ²]:	1.5
Stripping length [mm]:	7

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.62
D3 Ø [mm]:	1.6
d1 Ø [mm]:	1.75
L1 [mm]:	32
T1 [mm]:	6.4

Pin contact size 12, 1.5mm²

Item number: 10-40561-18AU

Product weight (kg): 0.0024 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	41
Test current [A]:	35
Rated current (continuous) [A]:	23
Contact Material:	CU alloy
Protective layer:	Gold plated, 0.5µm
Connection type:	Crimp
Wire section [mm ²]:	1.5
Wire section [AWG]:	18 - 16
Stripping length [mm]:	9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	3.95
D3 Ø [mm]:	2.4
d1 Ø [mm]:	1.75
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 16, 0.75mm²

Item number: 10-40557-075AU

Product weight (kg): 0.0009 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
Maximum current (short-term) [A]:	22
Test current [A]:	20
Rated current (continuous) [A]:	13
Contact Material:	CU alloy
Protective layer:	Gold plated, 0.5µm
Connection type:	Crimp
Wire section [mm ²]:	0.75
Wire section [AWG]:	18
Stripping length [mm]:	7

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.2
D3 Ø [mm]:	1.6
d1 Ø [mm]:	1.35
L1 [mm]:	32
T1 [mm]:	6.4

Pin contact size 12, 6.0mm²

Item number: 10-40561-38AU

Product weight (kg): 0.0023 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm²]: 6

Wire section [AWG]: 10

Stripping length [mm]: 9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	4.75
D3 Ø [mm]:	2.4
d1 Ø [mm]:	3.5
L1 [mm]:	38
T1 [mm]:	8.5

Pin contact size 16, 0.25 - 0.5mm²

Item number: 10-40557-05AU

Product weight (kg): 0.0009 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 22

Test current [A]: 20

Rated current (continuous) [A]: 13

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm²]: 0.25 - 0.5

Wire section [AWG]: 22 - 20

Stripping length [mm]: 7

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	3.1
D2 Ø [mm]:	2.15
D3 Ø [mm]:	1.6
d1 Ø [mm]:	1.1
L1 [mm]:	32
T1 [mm]:	6.4

Pin contact size 12, 4.0mm²

Item number: 10-40561-30AU

Product weight (kg): 0.0025 kg

Packing unit:



MECHANICAL PROPERTIES CONTACTS

Contact type: Pin

Maximum current (short-term) [A]: 41

Test current [A]: 35

Rated current (continuous) [A]: 23

Contact Material: CU alloy

Protective layer: Gold plated, 0.5µm

Connection type: Crimp

Wire section [mm²]: 4

Wire section [AWG]: 12 - 10

Stripping length [mm]: 9

DIMENSIONS



DIMENSIONS

D1 Ø [mm]:	4.8
D2 Ø [mm]:	4.75
D3 Ø [mm]:	2.4
d1 Ø [mm]:	2.95
L1 [mm]:	38
T1 [mm]:	8.5