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**Neutrik  
Group** | CONNECTING  
THE  
WORLD

CONTRIK® | NEUTRIK® | REAN®

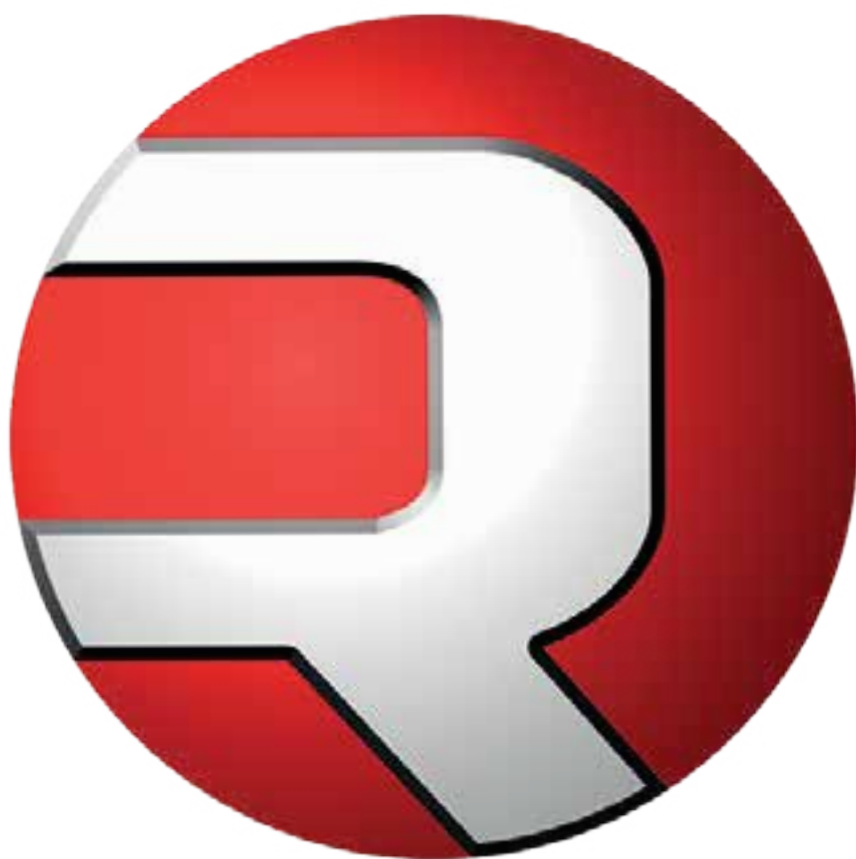
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# Product Guide



THE SMART WAY TO CONNECT



<b>Outdoor Z Series Connectors</b>				<b>P. 7</b>
<b>Outdoor X Series Connectors</b>				<b>P. 11</b>
<b>Air-tightness Connectors</b>				<b>P. 13</b>
<b>TINY XLR Connectors</b>				<b>P. 21</b>
<b>XLR Connectors</b>				<b>P. 25</b>
<b>Plugs &amp; Jacks</b>				<b>P. 33</b>
<b>Adapters &amp; RCA</b>				<b>P. 49</b>
<b>Loudspeaker Connectors</b>				<b>P. 51</b>
<b>Power &amp; Data Connectors</b>				<b>P. 53</b>
<b>DIN &amp; Dual banana Plug</b>				<b>P. 57</b>
<b>Stage Box &amp; Patch Panels</b>				<b>P. 61</b>

**ROBUST**  
**RELIABLE**  
**COMPREHENSIVE**

**REAN**

REAN, a global brand from the Neutrik Group – Offers a comprehensive range of connectors featuring ultra-robust, high-reliability designs, that promise unrivalled cost-performance ratios, backed by a truly global supply chain and experienced regional sales network.

Excellent cost-performance ratio, robust design and reliable functionality are the strengths of REAN.

Based on long-time know-how connectors for professional audio-/ lighting- and digital signage applications are developed and produced on up to date production facilities. An efficient logistics system and a global sales network make a high availability and short delivery times possible. The REAN product range is the alternative solution for cost sensitive applications.

REAN - A brand of Neutrik Group.

**AUDIO****LIGHTING****DIGITAL  
SIGNAGE****INDUSTRY****THE SMART WAY TO CONNECT**



## Outdoor Z Series XLR



RCX3F-Z-000



RCX3M-Z-000



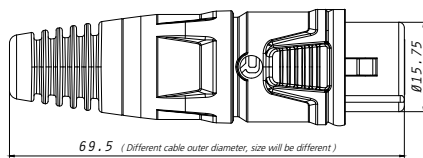
RRX3F-Z-000



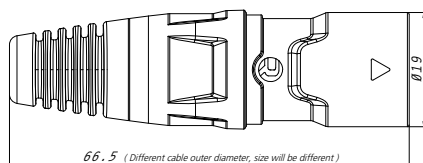
RRX3M-Z-001

- Rugged sealed XLR connector range for outdoor application
- UL94 V-0 rated materials
- Chrome&Black plated with fashionable finish and better abrasion performance
- IP65 rating provides outdoor protection under mated condition
- Gold&Tin plated for best conductivity

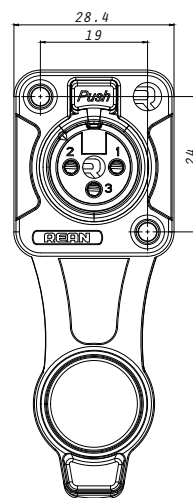
RCX\*F-Z-00\*



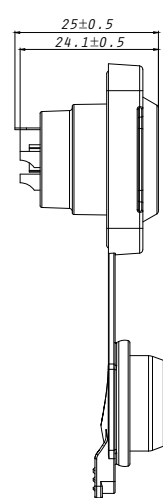
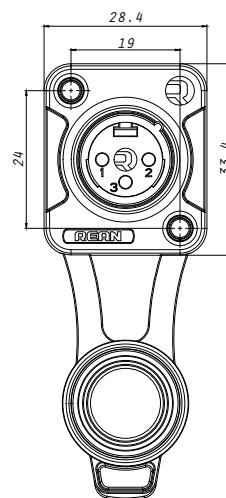
RCX\*M-Z-00\*



RRX3F-Z-00\*



RRX3M-Z-00\*



## Ordering Information

## Article Name Details

## Z Series XLR

RCX*F-Z-000	3 & 5 pole female XLR cable connector, IP65 rating protection, chrome plated housing, tin plated contacts
RCX*F-Z-001	3 & 5 pole female XLR cable connector, IP65 rating protection, black plated housing, tin plated contacts
RCX*F-Z-002	3 & 5 pole female XLR cable connector, IP65 rating protection, chrome plated housing, gold plated contacts
RCX*M-Z-000	3 & 5 pole male XLR cable connector, IP65 rating protection, chrome plated housing, tin plated contacts
RCX*M-Z-001	3 & 5 pole male XLR cable connector, IP65 rating protection, black plated housing, tin plated contacts
RCX*M-Z-002	3 & 5 pole male XLR cable connector, IP65 rating protection, chrome plated housing, gold plated contacts
RRX*F-Z-000	3 & 5 pole female XLR receptacle, D-Size Flange, solder cups, IP65 protection, chrome plated housing, tin plated contacts
RRX*F-Z-001	3 & 5 pole female XLR receptacle, D-Size Flange, solder cups, IP65 protection, black plated housing, tin plated contacts
RRX*F-Z-002	3 & 5 pole female XLR receptacle, D-Size Flange, solder cups, IP65 protection, black plated housing, gold plated contacts
RRX*M-Z-000	3 & 5 pole male XLR receptacle, D-Size Flange, solder cups, IP65 protection, chrome plated housing, tin plated contacts
RRX*M-Z-001	3 & 5 pole male XLR receptacle, D-Size Flange, solder cups, IP65 protection, black plated housing, tin plated contacts
RRX*M-Z-002	3 & 5 pole male XLR receptacle, D-Size Flange, solder cups, IP65 protection, black plated housing, gold plated contacts

Note: 1) Above products are provided in REAN plastic package with -1 for the article suffix, if need bulk package, - 0 for the article suffix and must be ordered in multiples of 100 pcs;  
2) \*: contact number (3 or 5)

## Specification

## Cable Connectors

## Receptacles

## Electrical

Contact resistance	$\leq 5 \text{ m}\Omega$	$\leq 5 \text{ m}\Omega$
Dielectric strength	1.5 kV dc	1.5 kV dc
Insulation resistance	$> 10 \text{ G}\Omega$ (initial)	$> 10 \text{ G}\Omega$ (initial)
Rated current per contact	16 A (3 pole) / 7.5 A ( 5 pole)	16 A (3 pole) / 7.5 A (5 pole)
Rated voltage	$< 50 \text{ V}$	$< 50 \text{ V}$

## Mechanical

Lifetime	$> 1'000$ mating cycles	$> 1'000$ mating cycles
Insertion / Withdrawal force	$\leq 60 \text{ N}$	$\leq 60 \text{ N}$
Cable O.D.	5.0 - 8.0 mm	Mounting direction Front mounting
Wiresize (max.)	1.5 mm <sup>2</sup> /16 AWG(3 pole)/1.0 mm <sup>2</sup> /18 AWG(5 pole)	Chassis shape D
Wiring	Solder contacts	Solder contacts
Locking device	Locking device	Locking device

## Material

Bushing	Polyamide	-
Bronze contact and plating	Tin (-000 & - 001) / AU (-002) plating	Tin (-000 & - 001) / AU (-002) plating
Insert	Polyamid e (UL94-V0)	Polyamide (UL94-V0)
Locking element	Zinc diecast (latch)	CK6 7 ( spring)
Zinc diecast shell and plating	Chrome (-000) / Black (-001 & -002) plating	Chrome (-000) / Black (-001 & -002) plating
Strain relief	Polyamide	-
Sealing jacket	Rubber	Rubber

## Environmental

Flammability	UL 94-V0
Protection class	IP65 (Mated or closed with rubber cap)
Standard compliance	IEC 61076-2-103
Solderability complies with	IEC 68-2-20
Temperature range	-20 °C to +70 °C





## Outdoor RJ45/Ethernet Connectors



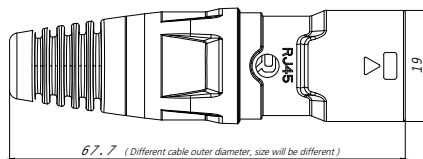
RCEM-Z-000



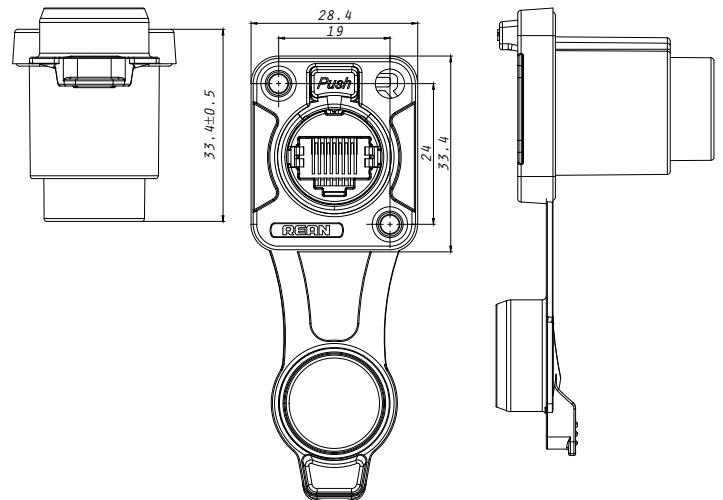
RRE8F-Z-000

- The RJ45 protection system for harsh and demanding environment
- Provide protection for the fragile RJ45 to ensure a stable Ethernet connection
- D-shape metal flange, stable and reliable
- IP65 protection when mating with coped Z-Series Ethernet receptacle
- UL94 V-0 rated materials
- Diecast shell cable carrier accepts the most common RJ45 plugs

RCEM-Z-00\*



RRE8F-Z-00\*



## Ordering Information

## Article Name Details

## RJ45 Cable Carriers

RCEM-Z-000	Rugged RJ45 cable connector carrier, IP65 rating protection, chrome plated housing
RCEM-Z-001	Rugged RJ45 cable connector carrier, IP65 rating protection, black plated housing

## RJ45 Receptacles

RRE8F-Z-000	Rugged RJ45 D-size feedthrough, IP65 rating protection, chrome plated housing, with sealing cap
RRE8F-Z-001	Rugged RJ45 D-size feedthrough, IP65 rating protection, black plated housing, with sealing cap

Note: Above products are provided in REAN plastic package with -1 for the article suffix, if need bulk package, - 0 for the article suffix and must be ordered in multiples of 100 pcs

## Specification

## Cable Connectors

## Receptacles

## Electrical

Contact resistance	-	≤ 100 mΩ
Dielectric strength	-	1kV dc
Frequency range	-	1 – 100 MHz
Insulation resistance	-	> 5 GΩ (initial)
Rated current per contact	-	1.5 A
Rated voltage	-	< 50 V
Transmission performance	-	CAT 5e

## Mechanical

Lifetime	> 1'000 mating cycles	> 1'000 mating cycles
Insertion / Withdrawal force	≤ 60 N	≤ 60 N
Cable O.D.	5.0 - 8.0 mm	-
Wiring	-	Feedthrough
Locking device	-	Latch lock
Mounting direction	-	Front mounting
Chassis shape	-	D

## Material

Shell	Zinc diecast	Zinc diecast
Shell plating	Chrome (-000) / Black (-001)	Chrome (-000) / Black (-001)
Strain relief	Polyacetal (POM)	-
Contact	-	Bronze
Contact plating	-	AU
Insert	-	Polyamide (UL94-V0)
Locking element	-	Zinc diecast

## Environmental

Flammability	UL 94-V0
Protection class	IP65 (Mated or closed with rubber cap)
Standard compliance	TIA/EIA 586B, IEC 11801
Temperature range	-20 °C to +70 °C



## Power Connectors - Outdoor X Series



RCAC3F-X-000



RCAC3M-X-000

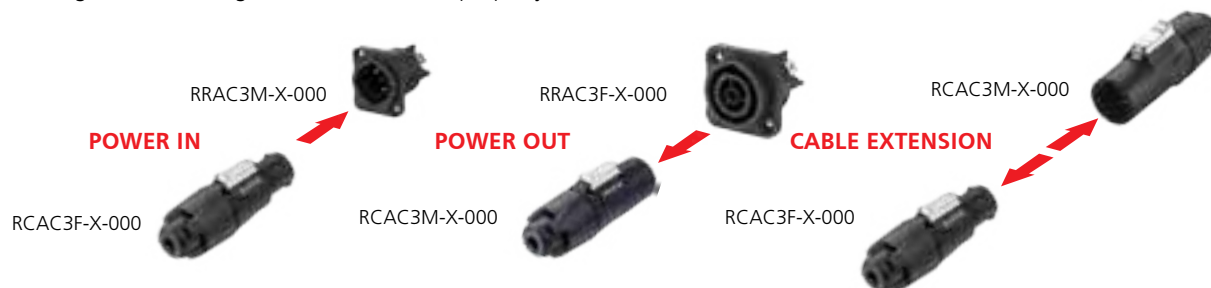


RRAC3F-X-000  
with RA-X-003

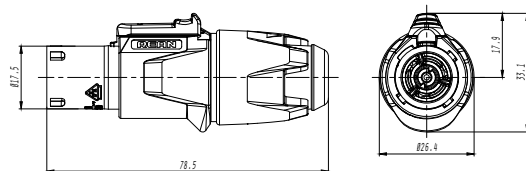


RRAC3M-X-000  
with RA-X-001

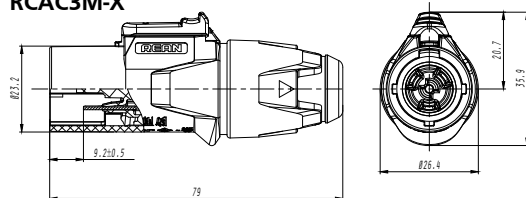
- True mains connector with breaking capacity (CBC)
- Complete system with inlet and outlet connectors
- Designed to be engaged and disengaged in normal use when live or under load
- IP 65 rating outdoor protection
- Anti-kink boot design, according to IEC 60320
- Easy and reliable twist lock system
- Using V0 materials, good flame retardant property



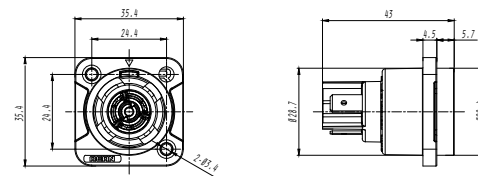
### RCAC3F-X



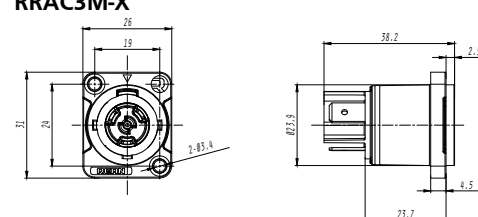
### RCAC3M-X



### RRAC3F-X



### RRAC3M-X



## Ordering Information

### Article Name Details

#### Cable Connectors

RCAC3F-X-000	Lockable cable connector, power inlet, screw type terminals, IP65 rating
RCAC3M-X-000	Lockable cable connector, power outlet, screw type terminals, IP65 rating

#### Receptacles

RRAC3F-X-000	Receptacle, 1/4" flat tabs, power outlet
RRAC3M-X-000	Receptacle, 1/4" flat tabs, power inlet

Note: Above products are bulk packaged with -0 for the article suffix, plastic bag with -1 and must be ordered in multiples of 100 pcs

## Electrical



### RA-X-001

RRAC3M-X-000 sealing cover, IP 65



### RA-X-003

RRAC3F-X-000 sealing cover, IP 65

## Specification

### Cable Connectors

### Receptacles

## Electrical

Number of contacts	2 + PE	2 + PE
Rated current per contact	20 A rms <sup>1)</sup>	20 A rms <sup>1)</sup>
Rated Voltage	250 V ac	250 V ac
Dielectric strength	4 kV dc / 2.8 kV ac	4 kV dc / 2.8 kV ac
Contact resistance	≤ 2 mΩ	≤ 2 mΩ
Insulation resistance (after dampheat)	>0.1 GΩ	>1 GΩ

## Mechanical

Retention method	Twist lock	Twist lock
Lifetime	> 5'000 mating cycles	> 5'000 mating cycles
Cable O.D.	6 - 12 mm	-
Wiring	Screw type terminals	Flat tabs (4.8 x 0.5 mm)
-	Wiresize: 1.0 - 2.5 mm <sup>2</sup> / 12 AWG	-

## Material

Shell	Polyamide	Polyamide
Insert	Polyamide	Polyamide
Contact	Copper alloy	Copper alloy
Contact plating	Ag	Ag
Strain relief	PBT	-

## Environmental

Temperature range	-30 °C to +80 °C
Flammability complies with	UL 94 V0

1) : Appliance coupler acc. IEC 60320 limited to 16 A ac



## Outdoor Air-tightness XLR



RRX3F-Z-012



RRX5M-Z-012



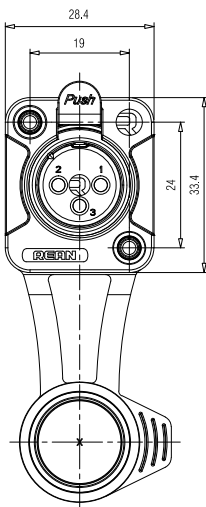
RRX3MF-Z-012



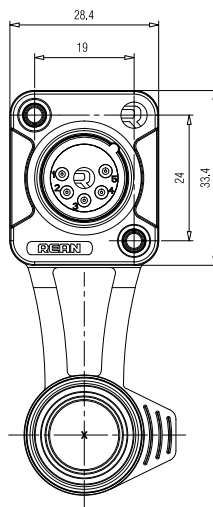
RRX5MF-Z-012

- Unique and Reliable Air-tightness design structure suitable for stage lighting application
- UL94 V-0 rated materials
- Rugged diecast shell with fashionable black plating
- IP65 protection when mating with REAN Z series XLR connector or rubber cap closed

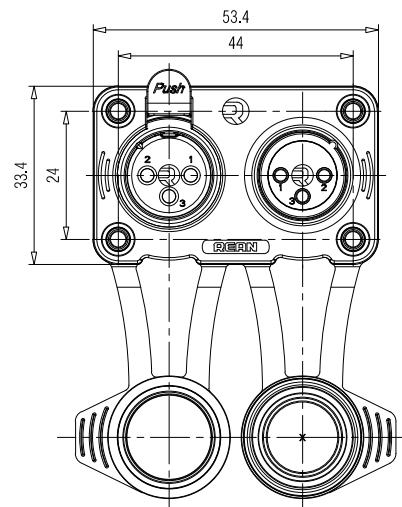
RRX3F-Z-012



RRX5M-Z-012



RRX3MF-Z-012



## Ordering Information

### Article Name Details

#### Air-tightness XLR

RRX3F-Z-012	3 pole female receptacle, IP65 and air tightness, standard D-shape metal flange
RRX3M-Z-012	3 pole male receptacle, IP65 and air tightness, standard D-shape metal flange
RRX3MF-Z-012	3 pole female and male combination receptacle, IP65 and air tightness
RRX5F-Z-012	5 pole female receptacle, IP65 and air tightness, standard D-shape metal flange
RRX5M-Z-012	5 pole male receptacle, IP65 and air tightness, standard D-shape metal flange
RRX5MF-Z-012	5 pole female and male combination receptacle, IP65 and air tightness

Note: Above products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

## Specification

### Electrical

Contact rated current	16 A (3pole) / 7.5 A (5 pole)
Contact resistance	< 5 mΩ
Insulation resistance	> 5 GΩ
Dielectric strength	1.5 kV dc
Rated voltage	< 50 V

### Mechanical

Lifetime	> 1'0 00 ma ting cycles
Insertion / Withdrawal force	≤ 40 N
Locking device	Latch lock
Mounting	Front
Chassis shape	D

### Material

Contact plating	Gold
Contact	Brass
Shell	Zinc
Insert	PA66
Shell plating	Black

### Environmental

Temperature range	-30 °C to +80 °C
Flammability	U L94 V-0
Protection class	IP65 and Air tightness



## Outdoor Air-tightness RJ45



RRE8F-Z-010



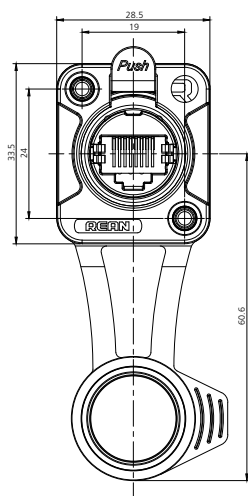
RRE8F-Z-011



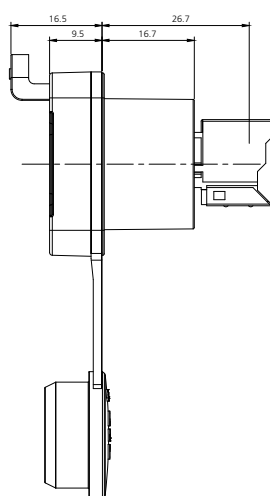
RRE8F-Z-012

- Air-tightness protection suitable for stage lighting application
- UL94 V-0 rated materials
- Network performance of Cat5e
- IP65 protection when mating with REAN Z series connector or rubber cap closed
- Rugged diecast shell with fashionable black plating, various back-end connection types

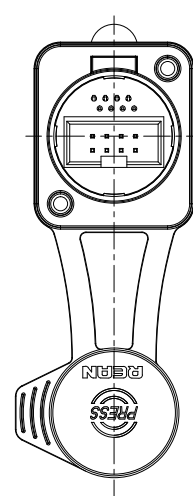
RRE8F-Z-010



RRE8F-Z-011



RRE8F-Z-012



## Ordering Information

### Article Name Details

#### Air-tightness RJ45

RRE8F-Z-010	RJ45 Feedthrough receptacle, D-shape metal flange with latch lock, IP65 and air tightness
RRE8F-Z-011	RJ45 Feedthrough receptacle, 90°UP, D-shape metal flange with latch lock, IP65 and air tightness
RRE8F-Z-012	RJ45 Horn type receptacle D-shape metal flange with latch lock, IP65 and air tightness

Note: Above products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

## Specification

### Electrical

Contact rated current	1.5 A
Contact resistance	< 100 mΩ
Insulation resistance	> 0.5 GΩ
Dielectric strength	1 kV dc
Rated voltage	< 50 V
Frequency range	1 – 100 MHz
Transmission performance	CAT 5e

### Mechanical

Lifetime	> 1'0 00 ma ting cycles
Insertion / Withdrawal force	≤ 60 N
Panel thickness	9.5 mm
Locking device	Latch lock
Wiring	Feedthrough / Feedthrough 90°UP / 2.54mm Box Header 2x4 PIN
Chassis shape	D

### Material

Contact plating	Gold
Contact	Bronze
Shell	Zinc
Insert	PA66
Shell plating	Black

### Environmental

Temperature range	-30 °C to +80 °C
Flammability	U L94 V-0
Protection class	IP65 and Air tightness
Standard compliance	TIA/EIA 586B, IEC 11801





## Outdoor Fast-connection RJ45



RCEM-Z-100



RRE8F-Z-110



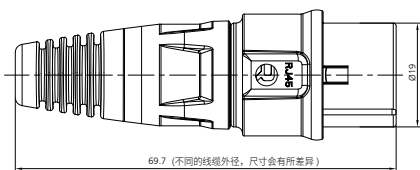
RRE8F-Z-111



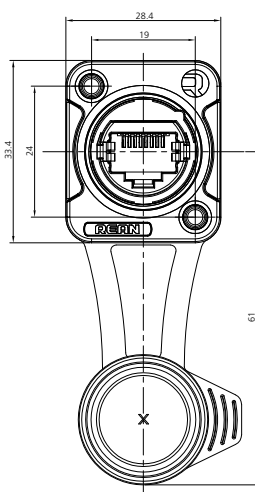
RRE8F-Z-112

- Air-tightness protection suitable for stage lighting application
- UL94 V-0 rated materials
- Network performance of Cat5e
- IP65 protection when mating with REAN Z series connector or rubber cap closed
- Rugged diecast shell with fashionable black plating, various back-end connection types

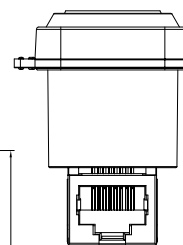
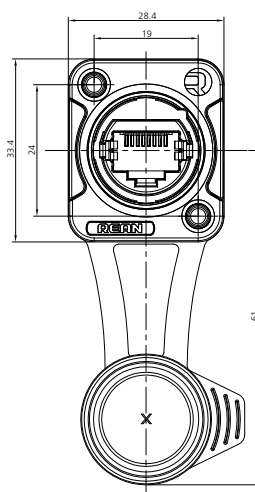
RCEM-Z-100



RRE8F-Z-110



RRE8F-Z-111



## Ordering Information

Article Name	Details
<b>RJ45 Cable Carriers</b>	
RCEM-Z-100	RJ45 cable connector carrier, IP65 rating protection, black plated housing
<b>RJ45 Receptacles</b>	
RRE8F-Z-110	RJ45 Feedthrough receptacle, D-shape metal flange, IP65 and air tightness
RRE8F-Z-111	RJ45 Feedthrough receptacle, 90°UP, D-shape metal flange, IP65 and air tightness
RRE8F-Z-112	RJ45 Horn type receptacle D-shape metal flange, IP65 and air tightness

Note: Above products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

Specification	Cable Carriers	Receptacles
<b>Electrical</b>		
Contact rated current	-	1.5 A
Contact resistance	-	< 100 mΩ
Insulation resistance	-	> 0.5 GΩ
Dielectric strength	-	1 kV dc
Rated voltage	-	< 50 V
Frequency range	-	1 – 100 MHz
Transmission performance	-	CAT 5e
<b>Mechanical</b>		
Lifetime	> 1'000 mating cycles	> 1'000 mating cycles
Insertion / Withdrawal force	≤ 60 N	≤ 60 N
Cable O.D.	5.0 - 8.0 mm	Panel thickness 10 mm
Locking device	-	Latch lock
Wiring	-	Feedthrough / Feedthrough 90°UP / 2.54mm Box Header 2x4 PIN
Chassis shape	-	D
<b>Material</b>		
Contact plating	-	Gold
Contact	-	Bronze
Shell	Zinc	Zinc
Insert	POM	PA66
Shell plating	Black	Black
<b>Environmental</b>		
Temperature range	-20°C to +70°C	-30°C to +80°C
Flammability	-	UL94 V-0
Protection class	IP65(mated)	IP65 and Air tightness
Standard compliance	-	TIA/EIA 586B, IEC 11801



## Outdoor Air-tightness Power



RRAC3F-X-010



RRAC3F-X-011



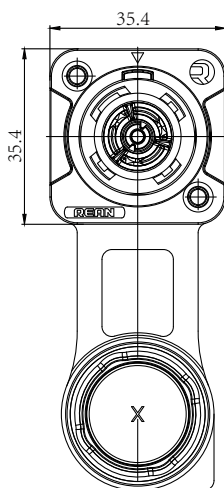
RRAC3M-X-010



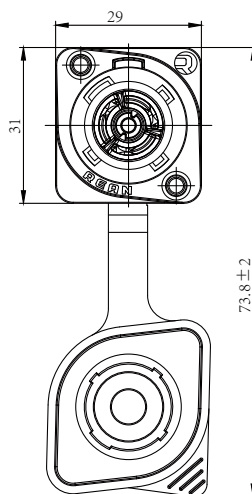
RRAC3MF-X-010

- Air-tightness protection suitable for stage lighting application
- V-0 material accepted as a component of equipment acc. to IEC62368-1
- Industrial standard D shape installation dimension for Power Female version
- IP65 protection when mating with X series Power connector or rubber cap
- Approval of ULVDE

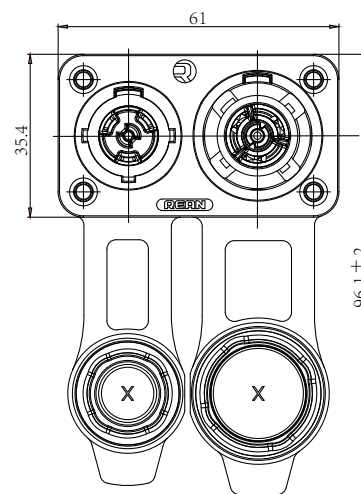
RRAC3F-X-010



RRAC3F-X-011



RRAC3MF-X-010



## Ordering Information

### Article Name Details

#### Air-tightness Power

RRAC3F-X-010	Lockable power Female chassis connector, with excellent flammability class by using V0 materials
RRAC3F-X-011	Lockable power Female chassis connector, V0 materials, Industrial standard D-shape installation dimension
RRAC3M-X-010	Lockable power Male chassis connector, with excellent flammability class by using V0 materials
RRAC3MF-X-010	Lockable power Female and Male Combination chassis connector, V0 materials

Note: Above products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

## Specification

### Electrical

Number of contacts	2 + PE
Contact resistance	$\leq 2 \text{ m}\Omega$
Insulation resistance (after dampheat)	$> 1 \text{ G}\Omega$
Dielectric strength	4 kV dc / 2.8 kV ac
Rating Europe	EN 60320-1: 16 A 250 V AC
Rating USA	UL 60320-1: 20 A 250 V AC

### Mechanical

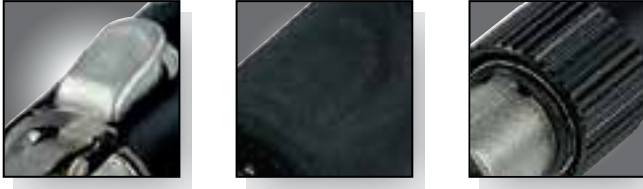
Lifetime	$> 5'000$ mating cycles
Retention method	Twist lock
Wiring	Flat tabs 6.35 x 0.8 mm

### Material

Contact plating Contact plating Contact plating	Ag
Contacts	Copper alloy
Shell	Polyamide
Locking element	Stainless steel

### Environmental

Temperature range	-30°C to +80°C
Flammability	UL94 V-0
Protection class	IP65 and Air tightness



## TINY XLR Cable Connectors



RT3FC-B



RT4FC-B-W



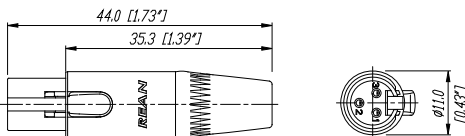
RT4FCT-B



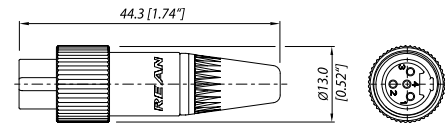
RT5MC-B

- Air-tightness protection suitable for stage lighting application
- UL94 V-0 rated materials
- Network performance of Cat5e
- IP65 protection when mating with REAN Z series connector or rubber cap closed
- Rugged diecast shell with fashionable black plating, various back-end connection types

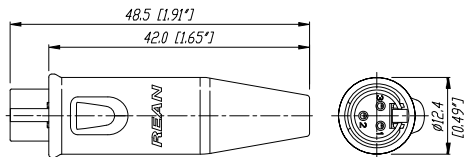
**RT3FC-B**



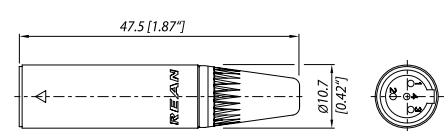
**RT3FCT-B**



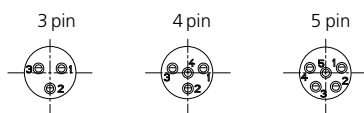
**RT3FC-B-W**



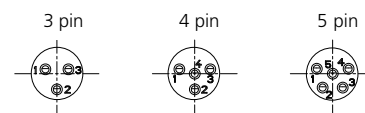
**RT3MC-B**



Female Pin Layout (Front)



Male Pin Layout (Front)



## Ordering Information

Article Name		Details
Female	Male	
RT3FC-B	RT3MC-B	3 pole female/male TINY XLR cable connector, black metal housing, gold plated contacts, REAN plastic packaging
RT4FC-B	RT4MC-B	4 pole female/male TINY XLR cable connector, black metal housing, gold plated contacts, REAN plastic packaging
RT5FC-B	RT5MC-B	5 pole female/male TINY XLR cable connector, black metal housing, gold plated contacts, REAN plastic packaging
Waterproof Female Cable Connectors		
RT3FC-B-W		3 pole female TINY XLR connector, black metal housing, waterproof bushing, gold plated contacts, REAN plastic packaging
RT4FC-B-W		4 pole female TINY XLR connector, black metal housing, waterproof bushing, gold plated contacts, REAN plastic packaging
RT5FC-B-W		5 pole female TINY XLR connector, black metal housing, waterproof bushing, gold plated contacts, REAN plastic packaging
Screw Locking Female Connectors		
RT3FCT-B		3 pole female TINY XLR connector, black metal housing and nut, gold plated contacts, REAN plastic packaging
RT4FCT-B		4 pole female TINY XLR connector, black metal housing and nut, gold plated contacts, REAN plastic packaging
RT5FCT-B		5 pole female TINY XLR connector, black metal housing and nut, gold plated contacts, REAN plastic packaging

Note: Above products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

Specification	Cable Connectors RT*FC-B/RT*MC-B*	Screw Locking RT*FCT-B
Electrical		
Contact rated current	< 5 A	< 5 A
Contact resistance	≤ 10 mΩ	≤ 10 mΩ
Dielectric strength	>1 GΩ	> 1 GΩ
Insulation resistance	>500 V rms	>500 V rms
Mechanical		
Lifetime	> 1'000 mating cycles	> 1'000 mating cycles
Cable O.D.	2.0 - 4.5 mm	2.0 - 4.5 mm
Wiring	Solder contacts	Solder contacts
Wiresize (max.)	0.22 mm <sup>2</sup> / 24 AWG	0.22 mm <sup>2</sup> / 24 AWG
Material		
Boot	ABS+TPU	ABS+TPU
Contact	Female : Bronze / Male: Brass	Bronze
Contact plating	Au	> 0.5 GΩ
Insert	PA66+30% GF	PA66+30% GF
Shell / Tube	Zinc alloys / Aluminum	Zinc alloys / Aluminum
Shell / Tube plating	Nickel / Black anodized	Nickel / Black anodized
Strain relief	POM	POM
Carrier	EPDM	-
Locking nut	-	Al, black anodized
Environmental		
Temperature range	-30°C to +85°C	
Solderability complies with	IEC 68-2-20	



## TINY XLR Receptacles

## TINY XLR Adapters



RT3MP



RT5MPR



RA3FT-B

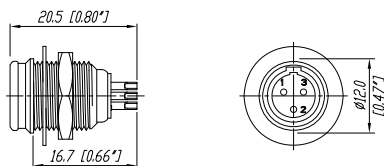


RA3MT-B

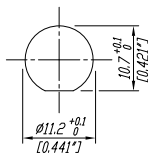
- 3, 4, 5 pole front / rear mountable
- Waterproof even under unmated condition
- Waterproof connection when mated with RT\*FC-B-W

- Convenient and quick TINY XLR interconnected solution
- Ruggedized metal shell
- 3 pole TINY XLR - male / female XLR

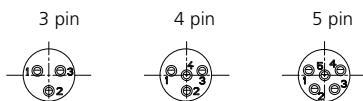
RT3MP



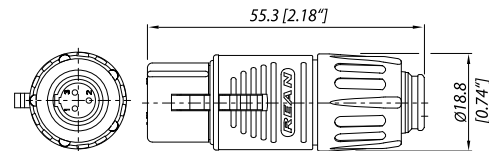
Panel Cutouts



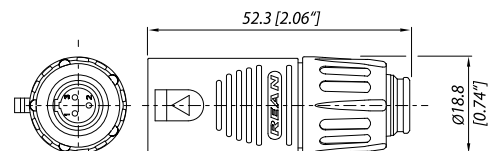
Pin Layout (front)



RA3FT-B



RA3MT-B



## Ordering Information

## Article Name Details

## Receptacles

RT3MP	3 pole male TINY XLR receptacle, nickel plated metal housing, gold plated contacts, max. panel thickness: 3 mm, REAN plastic package
RT4MP	4 pole male TINY XLR receptacle, nickel plated metal housing, gold plated contacts, max. panel thickness: 3 mm, REAN plastic package
RT5MP	5 pole male TINY XLR receptacle, nickel plated metal housing, gold plated contacts, max. panel thickness: 3 mm, REAN plastic package

## Rear Mountable Receptacles

RT3MPR	3 pole male receptacle, rear mountable, nickel plated housing, gold plated contacts, max. panel thickness: 3 mm, REAN plastic package
RT4MPR	4 pole male receptacle, rear mountable, nickel plated housing, gold plated contacts, max. panel thickness: 3 mm, REAN plastic package
RT5MPR	5 pole male receptacle, rear mountable, nickel plated housing, gold plated contacts, max. panel thickness: 3 mm, REAN plastic package

## Adapters

RA3FT-B	3 pole TINY XLR adapter, male to female, black metal housing, gold plated contacts, REAN plastic package
RA3MT-B	3 pole TINY XLR adapter, female to male, black metal housing, gold plated contacts, REAN plastic package

Note: Above products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

## Specification

Receptacles  
RT\*MPScrew Locking  
RT\*FCT-B

## Electrical

Contact rated current	< 5 A	< 5 A
Contact resistance	≤ 5 mΩ	≤ 5 mΩ
Insulation resistance	>1 GΩ	> 1 GΩ
Dielectric strength	>500 V rms	>500 V rms

## Mechanical

Lifetime	> 1'000 mating cycles	> 1'000 mating cycles
Wiring	Solder contacts	-
Wiresize (max.)	0.22 mm² / 24 AWG	-

## Material

Contact	Brass	Female: Bronze / Male: Brass
Contact plating	Au	Au
Insert	PA66+30% GF	PA66+30% GF
Shell	Zinc alloys	Zinc alloys
Shell plating	Nickel	Black

## Environmental

Temperature range	-30°C to +85°C	-20°C to +65°C
Solderability complies with	IEC6 8-2-20	-





## XLR Cable Connectors



RC3F



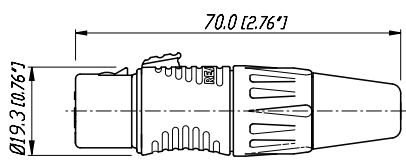
RC3M-B



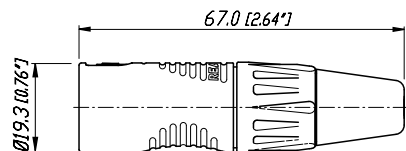
RC5FR

- Ergonomic design, easy to use
- Rugged zinc diecast housing, long lifetime
- Chuck type strain relief provides the best cable retention, easy to assembly
- Provide rotatable angle of right-angle products
- Rubber boot ensure the best cable protection
- Rugged latch locking system, provides secure connection

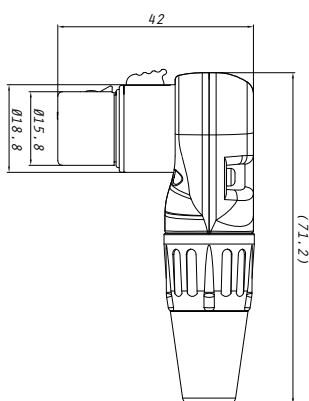
RC\*F



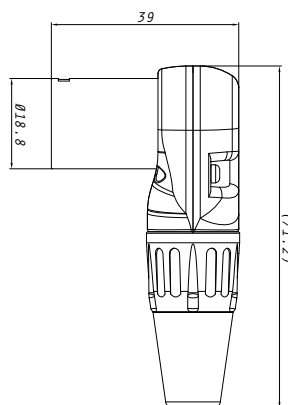
RC\*M



RC\*FR



RC\*MR



## Ordering Information

## Article Name Details

## Straight Angle XLR

RC*F	RC*M	3, 4, 5, 7 pole female/male XLR connectors, nickel plated metal housing, gold plated contacts, REAN plastic package
RC*F-B	RC*M-B	3, 4, 5, 7 pole female/male XLR connectors, black plated metal housing, gold plated contacts, REAN plastic package
RC*F-BAG	RC*M-BAG	3, 4, 5, 7 pole female/male XLR connectors, black plated metal housing, nickel plated contacts, REAN plastic package

## Right-angle XLR

RC*FR	RC*MR	3, 4, 5, 7 pole female/male right-angle XLR connectors, nickel plated metal housing, silver plated contacts, REAN plastic package
RC*FR-B	RC*M-B	3, 4, 5, 7 pole female/male right-angle XLR connectors, black plated metal housing, gold plated contacts, REAN plastic package
RC*FR-BAG	RC*MR-BAG	3, 4, 5, 7 pole female/male right-angle XLR connectors, black plated metal housing, silver plated contacts, REAN plastic package

Note: Above products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

## Specification

## Electrical

Contact rated current	10 A (3/4 pole) / 7.5 A (5 pole) / 5 A (7 pole)
Contact resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$>1.5 \text{ G}\Omega$
Dielectric strength	$>1\text{kV dc}$

## Mechanical

Lifetime	$> 1'000$ mating cycles
Cable O.D.	4.0 - 7.0 mm
Wiring	Solder contacts
Wiresize (max.)	1.5 mm <sup>2</sup> / 16 AWG
Insertion / Withdrawal force	$\leq 30 \text{ N}$ / $\leq 20 \text{ N}$

## Material

Bushing	PA6+30% GF
Contact	Female: Bronze / Male: Brass
Contact plating	Ag / Au
Insert	PA6+30% GF
Shell	Zinc alloys
Shell plating	Nickel / Black
Strain relief	POM
Button	Zinc alloys
Button plating	Nickel

## Environmental

Temperature range	-20°C to +70°C
Solderability complies with	IEC 68-2-20



## XLR Receptacles



RC3MDL



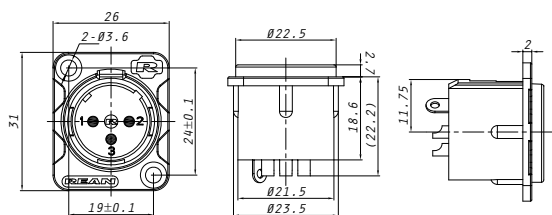
RC5FDL



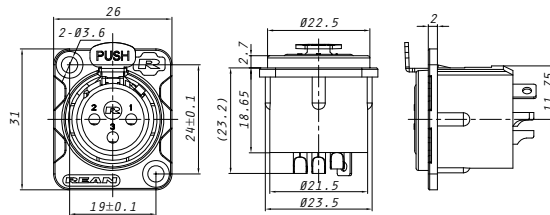
RC3FDL-B

- Universal D-size metal shell
- Rugged zinc diecast shell, long-lasting
- Soldered 3, 4, 5 pole receptacles
- Black or nickel plating shell, nickel or gold plating contact
- Rugged latch locking system of female receptacles, provides secure connection

### RC\*FDL



### RC\*MDL



## Ordering Information

Article Name	Details
<b>Female</b>	
RC*FDL	3, 4, 5 pole female XLR receptacles, nickel plated housing, tin plated contacts, bulk package
RC*FDL-B	3, 4, 5 pole female XLR receptacles, black plated housing, gold plated contacts, bulk package
<b>Male</b>	
RC*MDL	3, 4, 5 pole male XLR receptacles, nickel plated housing, tin plated contacts, bulk package
RC*MDL-B	3, 4, 5 pole male XLR receptacles, black plated housing, gold plated contacts, bulk package

## Specification

### Electrical

Contact rated current	10 A (3/4 pole) / 7 A (5 pole)
Contact resistance	5 mΩ(3/4 pole) / 7 mΩ (5 pole)
Insulation resistance	>1 GΩ
Dielectric strength	>1.5 kV dc

### Mechanical

Lifetime	> 1'000 mating cycles
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Locking device	Latch lock (Female)

### Material

Contact	Female: Bronze / Male: Brass
Contact plating	Tin / Au
Insert	PA 6+30% GF
Shell	Zinc alloys
Shell plating	Nickel / Black
Button	65 Mn Steel
Button plating	Nickel

### Environmental

Temperature range	-20 °C to +70 °C
Solderability complies with	IEC 68-2-20



## Combo I Series



RCJ9FI-V



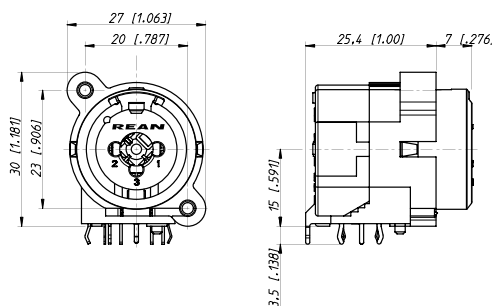
RCJ9FI-V-0



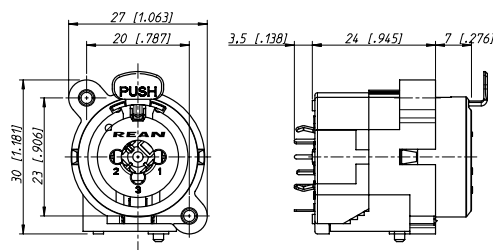
RCJ9FI-H-0

- Universal D-size metal shell
- Rugged zinc diecast shell, long-lasting
- Soldered 3, 4, 5 pole receptacles
- Black or nickel plating shell, nickel or gold plating contact
- Rugged latch locking system of female receptacles, provides secure connection

RCJ9FI-H-0



RCJ9FI-V



## Ordering Information

Article Name	1/4" Jacks	1/4" Switching	PCB Mount	Locking	Bulk Package
<b>Female</b>					
RCJ6FI-H	TRS	-	Horizontal	Latch Lock	-
RCJ6FI-H-0	TRS	-	Horizontal	Retention Spring	-
RCJ6FI-V	TRS	-	Vertical	Latch Lock	-
RCJ6FI-V-0	TRS	-	Vertical	Retention Spring	-
RCJ9FI-H	TRS	•	Horizontal	Latch Lock	-
RCJ9FI-H-0	TRS	•	Horizontal	Retention Spring	-
RCJ9FI-V	TRS	•	Vertical	Latch Lock	-
RCJ9FI-V-0	TRS	•	Vertical	Retention Spring	-
RCJ10FI-H	TRS	•	Horizontal	Latch Lock	-
RCJ10FI-H-0	TRS	•	Horizontal	Retention Spring	-
RCJ10FI-V	TRS	•	Vertical	Latch Lock	-
RCJ10FI-V-0	TRS	•	Vertical	Retention Spring	-

## Specification

## Electrical

Contact rated current	7.5 A
Contact resistance	≤ 10 mΩ
Insulation resistance	> 10 GΩ
Dielectric strength	1500 V dc
Rated voltage	50 V ac

## Mechanical

Lifetime	> 1'000 mating cycles
Insertion force	≤ 25 N
Withdrawal force	≤ 25 N
Locking device	Latch lock (non -0)
-	Retention Spring (-0)

## Material

Contact	Bronze
Contact plating	Ni+Sn+Au Plating
Insert	PA6+ 30% GF
Shell	PA6+30% GF
Latch lock	Stainless Steel
Latch lock plating	Nickel
Retention spring	Stainless Steel

## Environmental

Temperature range	-20 °C to +70 °C
Flammability complies with	UL 94 HB
Solderability complies with	IEC68-2-20



## Combo A Series



RCJ6FA-H



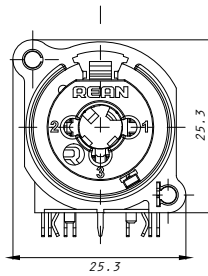
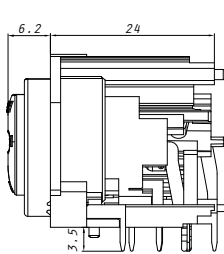
RCJ9FA-V



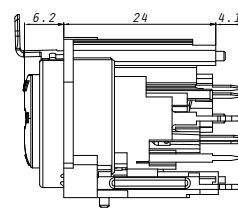
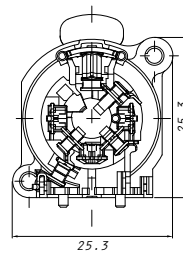
RCJ9FA-H-0

- Combined 3 pole XLR and 6.35mm jack - space saving
- Space saving - 15% over the Combo I Series
- Horizontal / vertical P CB mount
- Latch lock or retention spring version

RCJ9FA-H-0



RCJ9FA-V



## Ordering Information

Article Name	1/4" Jacks	1/4" Switching	PCB Mount	Locking	Bulk Package
<b>Combo A Receptacles</b>					
RCJ6FA-H	TRS	-	Horizontal	Latch Lock	-
RCJ6FA-H-0	TRS	-	Horizontal	Retention Spring	-
RCJ6FA-V	TRS	-	Vertical	Latch Lock	-
RCJ6FA-V-0	TRS	-	Vertical	Retention Spring	-
RCJ9FA-H	TRS	•	Horizontal	Latch Lock	-
RCJ9FA-H-0	TRS	•	Horizontal	Retention Spring	-
RCJ9FA-V	TRS	•	Vertical	Latch Lock	-
RCJ9FA-V-0	TRS	•	Vertical	Retention Spring	-
RCJ10FA-H	TRS	•	Horizontal	Latch Lock	-
RCJ10FA-H-0	TRS	•	Horizontal	Retention Spring	-
RCJ10FA-V	TRS	•	Vertical	Latch Lock	-
RCJ10FA-V-0	TRS	•	Vertical	Retention Spring	-

## Specification

## Electrical

Contact rated current	3 A
Contact resistance	≤ 15 mΩ
Insulation resistance	>10 GΩ
Dielectric strength	1500 V dc
Rated voltage	50 V ac

## Mechanical

Lifetime	> 1'000 mating cycles
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Locking device	Latch lock (non -0)
-	Retention Spring (-0)

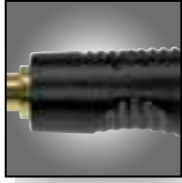
## Material

Contact	Bronze
Contact plating	Ni+Sn+Au Plating
Insert	PA6+30% GF
Shell	PA6+30% GF
Latch lock	Stainless Steel
Latch lock plating	Nickel
Retention spring	Stainless Steel

## Environmental

Temperature range	-20 °C to +70 °C
Flammability complies with	UL 94-V0
Solderability complies with	IEC68-2-20





## 6.35 mm Plugs



RP2C



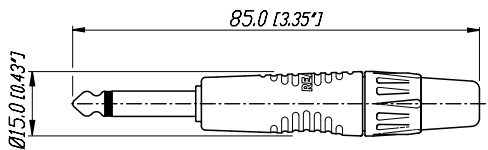
RP3C-B



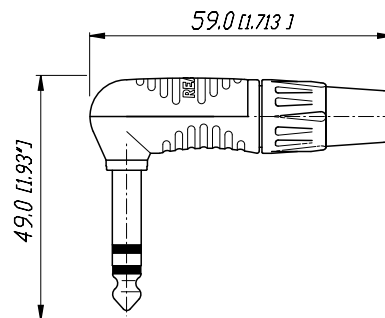
RP2RC-BAG

- Rugged Zinc alloy shell - reliable quality
- Chuck type strain relief - excellent cable retention, easy to assembly
- Ergonomic compact right-angle plug - high storage density
- Nickel / gold plated mono / stereo 1/4" plug
- Optional right-angle version

RP2C



RP3RC



## Ordering Information

Article Name	Details
<b>6.35 mm Plugs</b>	
RP2C	Mono 1/4" plug, nickel plated housing, nickel plated contacts, REAN plastic packaging
RP2C-B	Mono 1/4" plug, black plated housing, gold plated contacts, REAN plastic packaging
RP2C-BAG	Mono 1/4" plug, black plated housing, nickel plated contacts, REAN plastic packaging
RP3C	Stereo 1/4" plug, nickel plated housing, nickel plated contacts, REAN plastic packaging
RP3C-B	Stereo 1/4" plug, black plated housing, gold plated contacts, REAN plastic packaging
RP3C-BAG	Stereo 1/4" plug, black plated housing, nickel plated contacts, REAN plastic packaging
RP2RC	Mono 1/4" right-angle plug, nickel plated housing, nickel plated contacts, REAN plastic packaging
RP2RC-B	Mono 1/4" right-angle plug, black plated housing, gold plated contacts, REAN plastic packaging
RP2RC-BAG	Mono 1/4" right-angle plug, black plated housing, nickel plated contacts, REAN plastic packaging
RP3RC	Stereo 1/4" right-angle plug, nickel plated housing, nickel plated contacts, REAN plastic packaging
RP3RC-B	Stereo 1/4" right-angle plug, black plated housing, gold plated contacts, REAN plastic packaging
RP3RC-BAG	Stereo 1/4" right-angle plug, black plated housing, nickel plated contacts, REAN plastic packaging

Note: Above products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

## Specification

### Electrical

Contact rated current	depends on mating connector
Contact resistance	depends on mating connector
Insulation resistance	>1.5 GΩ
Dielectric strength	1kV dc

### Mechanical

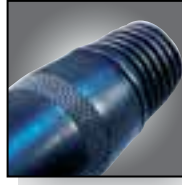
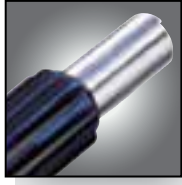
Lifetime	> 1'000 mating cycles
Cable O.D.	4.0 - 7.0 mm
Wiring	Solder contacts
Wiresize (max.)	1.0 mm² / 18 AWG

### Material

Boot	PA6+30% GF
Contact	Brass ( CuZn39Pb3)
Contact plating	Nickel / Au
Shell	Zinc alloy
Shell plating	Nickel / Black
Strain relief	POM

### Environmental

Temperature range	-20 °C to +70 °C
Flammability complies with	UL 94 HB
Solderability complies with	IEC68-2-20



## 6.35mm Plugs NYS Series



NYS201



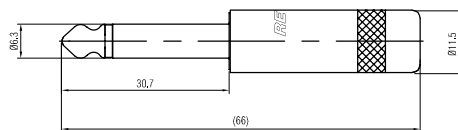
NYS204



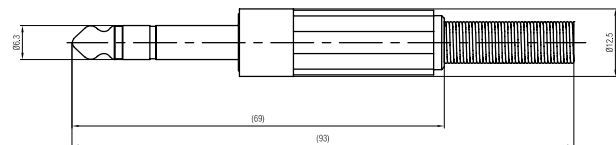
NYS225

- 6.35mm plug for various engineering applications
- Optional different cable sizes
- Unique design of spring bushing, provide excellent cable protection
- Large taper diecast housing and cable O.D.

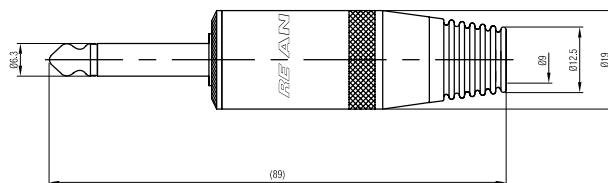
NYS201



NYS204



NYS225



## Ordering Information

Article Name	Details
<b>NYS Series</b>	
NYS201	Mono 1/4" plug, diecast metal handle, flexible anti-kink boot protection, REAN plastic package
NYS202	Stereo 1/4" plug, diecast metal handle, flexible anti-kink boot protection, REAN plastic package
NYS203	Mono 1/4" plug, plastic handle, flexible anti-kink boot protection, tail spring, REAN plastic package
NYS204	Stereo 1/4" plug, plastic handle, flexible anti-kink boot protection, tail spring, REAN plastic package
NYS225	Mono 1/4" plug, large metal nickel plated handle for speaker cables, REAN plastic package
NYS225B	Mono 1/4" plug, large metal black plated handle for speaker cables, REAN plastic package
NYS225L	Mono 1/4" plug, large metal nickel plated handle for speaker cables, large cable outlet (10 mm), REAN plastic package
NYS225GS	Mono 1/4" plug, tip switched to ground if not inserted (silent) for guitar cables, REAN plastic package

Specification	NYS201/202 Series	NYS203/204 Series	NYS225 Series
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### Electrical

Contact rated current	depends on mating connector	depends on mating connector	depends on mating connector
Insulation resistance	>1 GΩ	>1 GΩ	>1 GΩ
Dielectric strength	0.5kV dc	0.5kV dc	0.5kV dc

### Mechanical

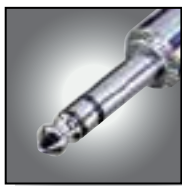
Lifetime	> 1'000 mating cycles	> 1'000 mating cycles	> 1'000 mating cycles
Insertion / Withdrawal force	≤ 60 N	≤ 60 N	≤ 60 N
Cable O.D.	≤ 8.5 mm	≤ 6.5 mm	≤ 10 mm

### Material

Boot	POM	POM	POM
Sleeve & Inner	Zinc alloy	Zinc alloy	Zinc alloy
Sleeve plating	Nickel	Nickel	Nickel
Inner plating	Nickel	Nickel	Nickel
Shell	Zinc diecast (ZnAl4Cu1)	ABS	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel	Nickel / Black	Nickel / Black
Bushing	Polyamides	Polyamides	Polyamides
Cable Clamp	Steel	Steel	Steel
Spring	-	High quality spring steel	-

### Environmental

Temperature range	-20 °C to +70 °C
Flammability complies with	UL 94 HB
Solderability complies with	IEC68-2-20



## 6.35mm Plugs NYS Series

## Pancake



NYS224



NYS207-2

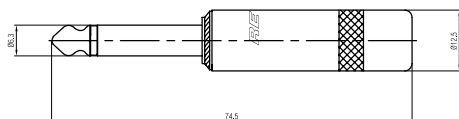


RP2RCF

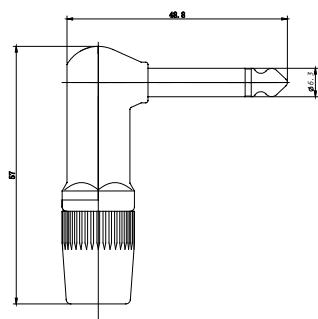
- 6.35mm plug for engineering applications
- Right-angle plugs with (red / black) polyamides cover for selection
- Optional different plating for housing, contact, sleeves
- Optional different cable sizes

- Uniqed mono right-angle plug
- Pan head - space saving design for engineering applications
- Optional bickel / black plated housing
- Optional black / white Logo

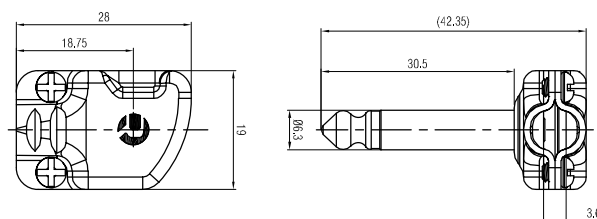
NYS224



NYS224



RP2RCF



## Ordering Information

### Article Name Details

#### NYS Series

NYS224	Mono 1/4" plug, long diecast nickel plated handle
NYS224G	Mono 1/4" plug, long diecast nickel plated handle, gold plated sleeve and inner
NYS224AG	Mono 1/4" plug, long diecast gold plated handle, gold plated sleeve and inner
NYS224BG	Mono 1/4" plug, long diecast black plated handle, gold plated sleeve and inner
NYS224GT	Mono 1/4" plug, long diecast nickel plated handle, gold plated sleeve and inner
NYS224L	Mono 1/4" plug, long diecast nickel plated handle, large cable outlet (9.5 mm)
NYS224S	Mono 1/4" plug, long diecast nickel plated handle, tip switched to ground if not inserted (silent)
NYS228	Stereo 1/4" plug, long diecast nickel plated handle
NYS228G	Stereo 1/4" plug, long diecast nickel plated handle, gold plated sleeve and inner
NYS228BG	Stereo 1/4" plug, long diecast black plated handle, gold plated sleeve and inner
NYS228GT	Stereo 1/4" plug, long diecast nickel plated handle, gold plated inner
NYS207	Mono 1/4" right-angle plug, nickel plated handle, black plastic cover and bushing, provide red cover (nys207-2)
NYS208	Stereo 1/4" right-angle plug, nickel plated handle, black plastic cover and bushing, provide red cover (nys208-2)

Note: Above products are provided in REAN plastic package

#### Pancake

RP2RCF	Mono 1/4" right-angle plug, pan head, nickel plated handle, REAN plastic packaging
RP2RCF-BAG	Mono 1/4" right-angle plug, pan head, black plated handle, REAN plastic packaging

Note: Pancake products provide bulk package with -0 for the article suffix and must be ordered in multiples of 100 pcs

### Specification NYS207/208 Series NYS224/228 Series Pancake Series

#### Electrical

Contact rated current	depends on mating connector	depends on mating connector	depends on mating connector
Insulation resistance	>1 GΩ	>1 GΩ	>1 GΩ
Dielectric strength	0.5kV dc	0.5kV dc	0.5kV dc

#### Mechanical

Lifetime	> 1'000 mating cycles	> 1'000 mating cycles	> 1'000 mating cycles
Insertion / Withdrawal force	≤ 60 N	≤ 60 N	≤ 60 N
Cable O.D.	≤ 8.5 mm	≤ 6.5 mm	≤ 10 mm
Wiresize	-	-	-

#### Material

Boot	POM	POM	-
Sleeve & Inner	Brass	Brass	Brass
Sleeve plating	Nickel	Nickel / Au	Nickel / Au
Inner plating	Nickel	Nickel / Au	Nickel / Au
Shell	Zinc alloy, red/black polyamides cover	Zinc alloy	Steel
Shell plating	Nickel	Nickel / Black	Nickel / Black
Bushing	Polyamides	-	-
Cable Clamp	Steel	Steel	-

#### Environmental

Temperature range	-20 °C to +70 °C
Flammability complies with	UL 94 HB
Solderability complies with	IEC68-2-20



## 3.5 mm Plugs



RTP2C



RTP3C



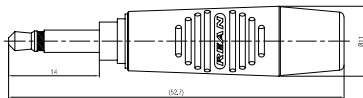
NYS226BG



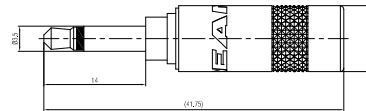
NYS231G

- Ergonomic space saving design
- Full metal rugged shell, reliable quality
- Easy to assembly and use
- Optional mono 2 pole and stereo 3 pole
- Max. cable O.D. up to 8.5mm

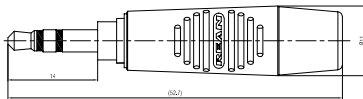
RTP2C



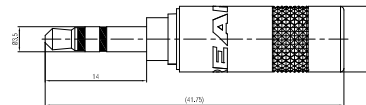
NYS226



RTP3C



NYS231



## Ordering Information

Article Name	Details
<b>3.5mm Plugs</b>	
RTP*C	3.5mm mono / stereo plug, nickel plated handle, nickel plated sleeve and inner, REAN plastic packaging
RTP*C-B	3.5mm mono / stereo plug, black plated handle, gold plated sleeve and inner, REAN plastic packaging
RTP*C-BAG	3.5mm mono / stereo plug, black plated handle, nickel plated sleeve and inner, REAN plastic packaging
Note: Above products are provided in REAN plastic package	
NYS226	3.5mm mono plug, nickel plated handle, nickel plated sleeve and inner, REAN plastic packaging
NYS226B	3.5mm mono plug, black plated handle, nickel plated sleeve and inner, REAN plastic packaging
NYS226BG	3.5mm mono plug, black plated handle, gold plated sleeve and inner, REAN plastic packaging
NYS226G	3.5mm mono plug, nickel plated handle, gold plated sleeve and inner, REAN plastic packaging
NYS226L	3.5mm mono plug, nickel plated handle, nickel plated sleeve and inner, large cable outlet, REAN plastic packaging
NYS231	3.5mm stereo plug, nickel plated handle, nickel plated sleeve and inner, REAN plastic packaging
NYS231B	3.5mm stereo plug, black plated handle, nickel plated sleeve and inner, REAN plastic packaging
NYS231B	3.5mm stereo plug, black plated handle, gold plated sleeve and inner, REAN plastic packaging
NYS231G	3.5mm stereo plug, nickel plated handle, gold plated sleeve and inner, REAN plastic packaging
NYS231L	3.5mm stereo plug, nickel plated handle, nickel plated sleeve and inner, large cable outlet, REAN plastic packaging
NYS231LBG	3.5mm stereo plug, black plated handle, gold plated sleeve and inner, large cable outlet, REAN plastic packaging
NYS231LL	3.5mm stereo plug, nickel plated handle, nickel plated sleeve and inner, x-large cable outlet, REAN plastic packaging
NYS231BG-LL	3.5mm stereo plug, black plated handle, gold plated sleeve and inner, x-large cable outlet, REAN plastic packaging

## Specification

### RTP\*C Series

### NYS226/231 Series

## Electrical

Contact rated current	depends on mating connector	depends on mating connector
Insulation resistance	$\geq 1.5 \text{ G}\Omega$	$\geq 1.5 \text{ G}\Omega$
Insulation resistance	1kV dc	1kV dc

## Mechanical

Lifetime	> 1'000 mating cycles	> 1'000 mating cycles
Insertion / Withdrawal force	$\leq 60 \text{ N}$	$\leq 60 \text{ N}$
Cable O.D.	2-6 mm	2-8.5 mm

## Material

Boot	PVC	-
Sleeve & Inner	Brass	Brass
Sleeve plating	Nickel / Au	Nickel / Au
Inner plating	Nickel / Au	Nickel / Au
Shell	Zinc alloy	Zinc alloy
Shell plating	Nickel / Black	Nickel / Black
Bushing	Polyamides	Polyamides
Cable Clamp	Steel	Steel

## Environmental

Temperature range	-20 °C to +70 °C
Flammability	UL 94 HB
Protection class	IEC68-2-20





## 6.35 mm Vertical Jacks



RJ3VM



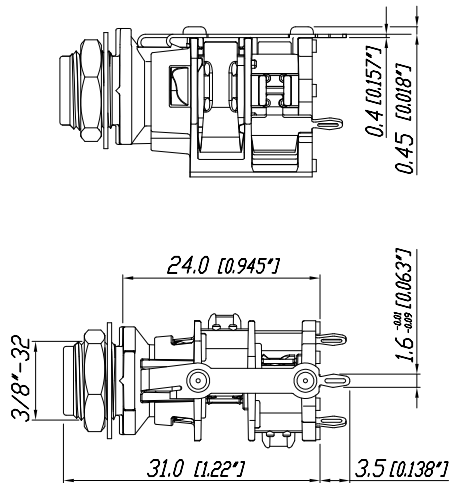
RJ3VI-S



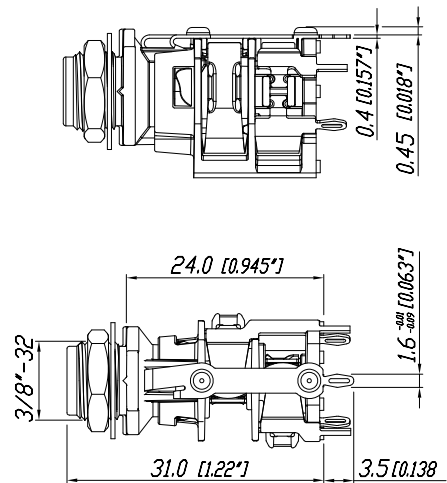
RJ5VM

- 6.35mm vertical PCB mountable jack
- Knob mounting nut, less product assembly time
- Spring-loaded ground contact, excellent contact integrity
- Optional metal / plastic thread
- High density compact product design, space saving

RTP2C



NYS226



## Ordering Information

Article Name	Details
<b>6.35mm Vertical Jacks</b>	
RJ3VM	6.35mm mono jack, black plastic housing, metal nose, vertical PCB contacts, bulk package
RJ3VM-D1	6.35mm mono jack, black plastic housing, metal nose, vertical D1 PCB contacts, bulk package
RJ3VM-S	6.35mm mono jack, black plastic housing, metal nose, solder lugs, bulk package
RJ3VI	6.35mm mono jack, black plastic housing, plastic nose, vertical PCB contacts, bulk package
RJ3VI-D1	6.35mm mono jack, black plastic housing, plastic nose, vertical D1 PCB contacts, bulk package
RJ3VI-S	6.35mm mono jack, black plastic housing, solder lugs, bulk package
RJ5VM	6.35mm stereo jack, normalling contacts, black plastic housing, metal nose, vertical PCB contacts, bulk package
RJ5VM-D1	6.35mm stereo jack, normalling contacts, black plastic housing, metal nose, vertical D1 PCB contacts, bulk package
RJ5VM-S	6.35mm stereo jack, normalling contacts, black plastic housing, solder lugs, bulk package
RJ5VI	6.35mm stereo jack, normalling contacts, black plastic housing, plastic nose, vertical PCB contacts, bulk package
RJ5VI-D1	6.35mm stereo jack, normalling contacts, black plastic housing, plastic nose, vertical D1 PCB contacts, bulk package
RJ5VI-S	6.35mm stereo jack, normalling contacts, black plastic housing, solder lugs, bulk package

## Specification

## Electrical

Contact rated current	3 A
Contact resistance	< 10 mΩ
Insulation resistance	≥ 1 GΩ
Dielectric strength	500 V dc

## Mechanical

Lifetime	> 1'000 mating cycles
Insertion force	≤ 20 N
Withdrawal force	≥ 10 N

## Material

Contact	Bronze
Contact plating	Ag
Shell	PA6+30% GF
Thread nose	Plastic / Zinc alloy
Washer	CRS(Cold Rolled Steel)

## Environmental

Temperature range	-20 °C to +70 °C
Solderability complies with	IEC68-2-20



## 6.35mm Horizontal Jacks



NYS212



NYS215



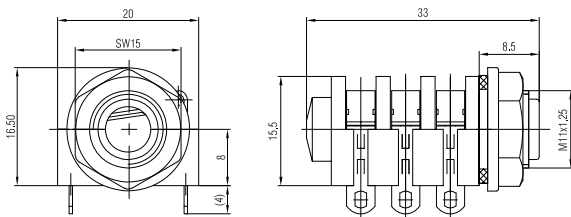
NYS216H



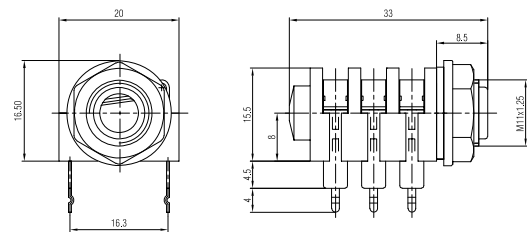
NYS219

- 6.35mm horizontal PCB mountable jack
- Provide mono / stereo version
- Various pin lengths and types, meet different application requirements
- Optional metal / plastic threaded nose

**NYS212**



**NYS219**



## Ordering Information

Article Name	Details
<b>6.35mm Horizontal Jacks</b>	
NYS212	6.35mm stereo jack, black plastic housing with washer and nut, solder taps, normalling contacts
NYS2122	6.35mm mono jack, black plastic housing with washer and nut, solder taps, normalling contacts
NYS216	6.35mm stereo jack, black plastic housing with washer and nut, 8.2 mm distance to PCB
NYS216G	6.35mm stereo jack, black plastic housing with washer and nut, gold plated contacts, 8.2 mm distance to PCB
NYS216H	6.35mm stereo jack, black plastic housing with washer and nut, half threaded nose, 8.2 mm distance to PCB
NYS2162	6.35mm mono jack, black plastic housing with washer and nut, 8.2 mm distance to PCB
NYS2162H	6.35mm mono jack, black plastic housing with washer and nut, half threaded nose, 8.2 mm distance to PCB
NYS215	6.35mm stereo jack, black plastic housing, metal nut, two brown washers, 8.2 mm distance to PCB
NYS2152	6.35mm mono jack, black plastic housing, metal nut, two brown washers, 8.2 mm distance to PCB
NYS2152G	6.35mm mono jack, black plastic housing, gold plated contacts, metal nut, two brown washers, 8.2 mm distance to PCB
NYS2152G-DI-U	6.35mm mono jack, black plastic housing, gold plated contacts, metal nut, two brown washers, 8.2 mm distance to PCB
NYS219	6.35mm stereo jack, black plastic housing, long contacts, 12.5 mm distance to PCB
NYS2192	6.35mm mono jack, black plastic housing, long contacts, 12.5 mm distance to PCB

Note: Above products are provided in bulk package

## Specification

### Electrical

Contact rated current	3 A
Contact resistance	≤ 10 mΩ
Insulation resistance	> 2000 mΩ (initial)
Dielectric strength	500 V dc

### Mechanical

Lifetime	> 1'000 mating cycles
Insertion force	≤ 20 N
Withdrawal force	≥ 10 N

### Material

Contact	Bronze
Contact plating	Ag / Au
Shell	PA6+30% GF
Thread nose	Plastic / Zinc alloy
Washer	PA6+15% GF / Epoxy plate

### Environmental

Temperature range	-20 °C to +70 °C
Solderability complies with	IEC68-2-20

# 6.35 mm / 3.5 mm JACKS



## 6.35 mm Jacks

## Metal Jacks



NYS229

NYS230

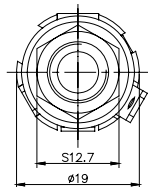
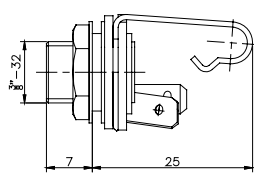
NYS2203

NYS240

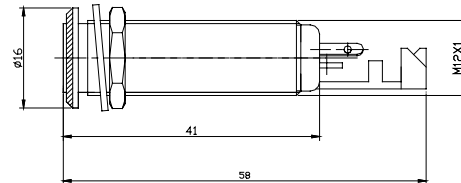
- 6.35mm jacks, panel mountable
- Provide mono / stereo version
- Precision machined thread, nut and screw close combination
- Adapt various panel thickness

- 6.35mm / 3.5mm stereo metal jacks
- Simple design, easy installation
- Full metal design for engineering use

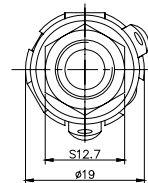
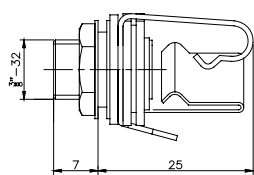
NYS229



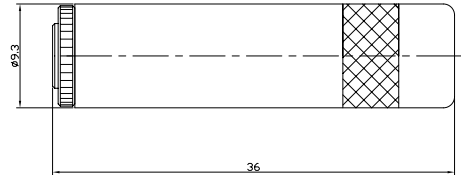
NYS2203



NYS230



NYS240



## Ordering Information

### Article Name Details

#### 6.35mm Jacks

NYS229	6.35mm stereo jack, black plastic housing with washer and nut, solder taps, normalling contacts
NYS229L	6.35mm mono jack, black plastic housing with washer and nut, solder taps, normalling contacts
NYS230	6.35mm stereo jack, black plastic housing with washer and nut, 8.2 mm distance to PCB

Note: Above products are provided in bulk package

#### Metal Jacks

NYS221	6.35mm stereo jack, long-threaded bushing with washer and nut, full metal design, bulk package
NYS2202	6.35mm mono jack, long-threaded bushing with washer and nut, full metal design, REAN plastic package
NYS2203	6.35mm stereo jack, long-threaded bushing with washer and nut, full metal design, REAN plastic package
NYS2202P	6.35mm mono jack, metal handle, max. cable O.D. 6 mm, REAN plastic package
NYS2203P	6.35mm stereo jack, metal handle, max. cable O.D. 6 mm, REAN plastic package
NYS240	3.5mm stereo jack, metal handle, max. cable O.D. 4 mm, REAN plastic package
NYS240BG	3.5mm stereo jack, black metal handle, gold plated contacts, max. cable O.D. 4 mm, REAN plastic package
NYS240L	3.5mm stereo jack, metal handle, max. cable O.D. 6 mm, REAN plastic package

## Specification

### NYS229/230 Series

### NYS221/2202 Series

### NYS240

#### Electrical

Contact rated current	3 A	3 A	3 A
Contact resistance	< 10 mΩ	< 10 mΩ	< 10 mΩ
Insulation resistance	> 2000 mΩ (initial)	> 2000 mΩ (initial)	> 2000 mΩ (initial)
Dielectric strength	500 V dc	500 V dc	500 V dc

#### Mechanical

Lifetime	> 5'000 mating cycles	> 5'000 mating cycles	> 5'000 mating cycles
Insertion force	≤ 20 N	≤ 20 N	≤ 20 N
Withdrawal force	≥ 10 N	≥ 10 N	≥ 10 N

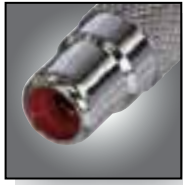
#### Material

Contact	Bronze	Bronze	Bronze
Contact plating	Tin	Tin	Tin / Au
Shell	Brass	Brass	Zinc alloy
Thread nose	Brass	Brass	Brass
Washer	Steel	Steel	-

#### Environmental

Temperature range	-20 °C to +70 °C
Solderability complies with	IEC68-2-20

# ADAPTERS

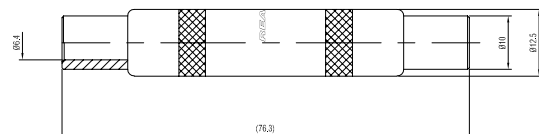
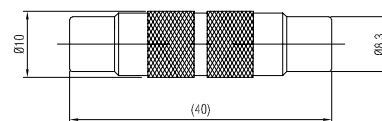
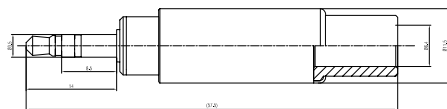


## Adapters



NYS239

- Various range of converter products, meet the needs of different connectors
- Provide 6.35mm mono/stereo plug - plug and jack - jack adapters
- Optional 6.35mm stereo plug - 3.5mm jack adapters
- Unique phono adapters, easy to operate
- Full metal shell design, increase the mating cycles, prolong lifetime



## Ordering Information

### Article Name Details

#### Adapters

NYS227	3.5mm stereo plug - 6.35mm plug adapter, full metal, REAN plastic package
NYS236	6.35mm mono jack - 6.35mm mono jack adapter, full metal, REAN plastic package
NYS237	6.35mm mono plug - 6.35mm mono plug adapter, full metal, REAN plastic package
NYS238	6.35mm stereo jack - 6.35mm stereo jack adapter, full metal, REAN plastic package
NYS239	6.35mm stereo plug - 6.35mm stereo plug adapter, full metal, REAN plastic package
NYS355	Phono jack - jack adapter, full metal, REAN plastic package

## Specification

### Electrical

Contact resistance	< 10 mΩ
Insulation resistance	> 2000 mΩ (initial)
Dielectric strength	50Hz 500VAC

### Mechanical

Lifetime	> 1'000 mating cycles
Insertion force	≤ 20 N
Withdrawal force	≥ 10 N

### Material

Shell	Bronze
Contact	Brass

### Environmental

Temperature range	-20 °C to +70 °C
Solderability complies with	IEC68-2-20





## RCA Plugs / Jacks



RF2C-AU-0



NYS352



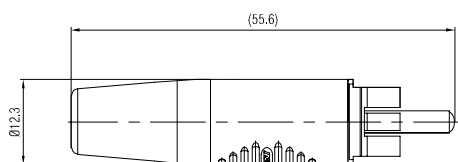
NYS373-2



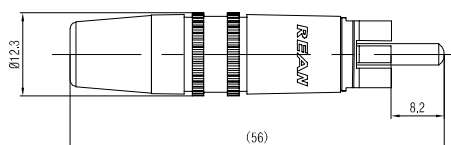
NYS367-4

- High quality RCA plugs and jacks, precision processing
- Color code ring and color bushing for channel identification
- Optional gold plated contact products, ensure the stability of signal transmission
- Ergonomic product design, easy to operate
- Plastic or metal shell products, meet various needs

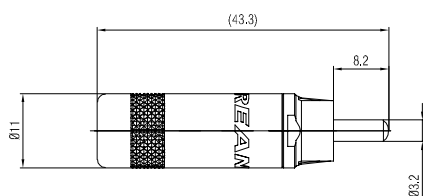
**RF2C-\***



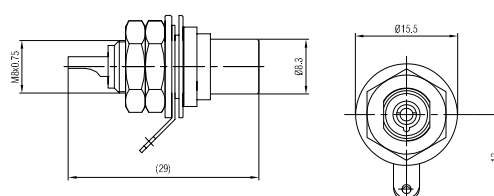
**NYS373**



**NYS352**



**NYS367**



## Ordering Information

### Article Name Details

#### RCA Plugs / Jacks

RF2C-AU-0	RCA phono plug, nickel plated shell, gold plated contacts, black boot, REAN plastic packaing
RF2C-AU-2	RCA phono plug, nickel plated shell, gold plated contacts, red boot, REAN plastic packaing
RF2C-B-0	RCA phono plug, black plated shell, gold plated contacts, black boot, REAN plastic packaing
RF2C-B-2	RCA phono plug, black plated shell, gold plated contacts, red boot, REAN plastic packaing
NYS352	Heavy duty phono plug, nickel plated shell, nickel plated contacts
NYS352AG	Heavy duty phono plug, gold plated shell, nickel plated contacts
NYS352B	Heavy duty phono plug, black plated shell, nickel plated contacts
NYS352BG	Heavy duty phono plug, black plated shell, gold plated contacts
NYS352G	Heavy duty phono plug, nickel plated shell, gold plated contacts
NYS373-0	Phono plug, black shell, black color coding, gold plates contacts, rubber anti-kink boot, chuck type strain relief, cable O.D. 3.5 - 6.1 mm
NYS373-0-A	Phono plug with spring, black shell, gold plates contacts, rubber anti-kink boot, chuck type strain relief, cable O.D. 3.5 - 6.1 mm
NYS367-0	Phono plug, gold plated contacts, black color coding

Note: 1) color coding for NYS367/373 series 0 2 4 5 6 9 2) NYS367/373 series are provided in REAN plastic package

Black Red Yellow Green Blue White

## Specification

### Electrical

Rated voltage	depends on mating connector
Contact resistance	depends on mating connector
Insulation resistance	> 2000 mΩ (initial)
Dielectric strength	500 V dc

### Mechanical

Lifetime	> 1'000 mating cycles
Insertion force	≤ 20 N
Withdrawal force	≥ 10 N

### Material

Contact	Bronze
Contact plating	Ag / Au / Nickel
Shell	Zinc alloy
Shell plating	Nickel / Black
Boot	PVC
Cable clamp	Steel / POM
Insert	Brass
Lug	Brass

### Environmental

Temperature range	-20 °C to +70 °C
Solderability complies with	IEC68-2-20



## Loudspeaker Connectors



RLS4FC



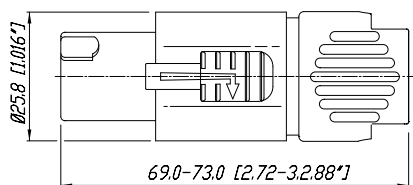
RLS4MPZ



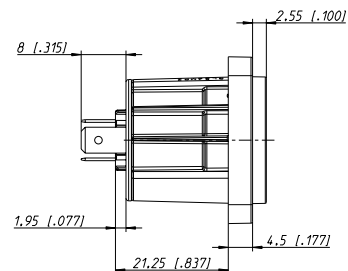
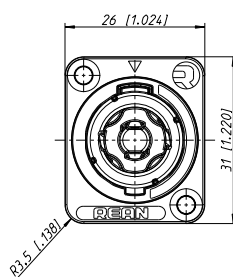
RLS4MDZ-H

- Using fiberglass material, rugged insert and shell
- Solid keyway, reliable and suitable
- Robust lock system, safe locking
- Chuck type strain relief, maximum cable capacity, quick and convenient installation
- Sealed design, model types in the speaker connector application field

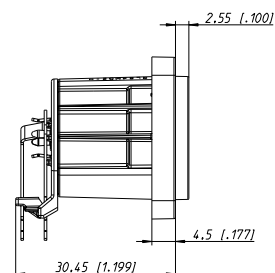
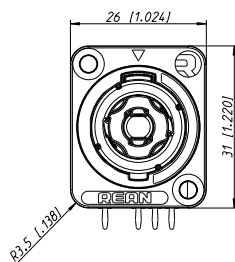
**RLS4FC**



**RLS4MPZ**



**RLS4MDZ-H**



## Ordering Information

Article Name	Details
<b>Cable Connectors</b>	
RLS4FC	4 pole loudspeaker cable connector with latch lock, chuck type strain relief, REAN plastic package
<b>Receptacles</b>	
RLS4MDZ-H	4 pole loudspeaker receptacle, D-Size front horizontal mounted, PCB contacts, REAN plastic package
RLS4MDZ-V	4 pole loudspeaker receptacle, D-Size front vertical mounted, PCB contacts, REAN plastic package
RLS4MPZ	4 pole loudspeaker receptacle, D-Size front mounted, solder cup contacts, REAN plastic package

## Specification

### Receptacles RT\*MP

### Screw Locking RT\*FCT-B

## Electrical

Contact rated current	continuous 30 A rms	continuous 30 A rms
Contact resistance	$\leq 5 \text{ m}\Omega$	$\leq 5 \text{ m}\Omega$
Insulation resistance	$>1 \text{ G}\Omega$	$>1 \text{ G}\Omega$
Dielectric strength	4kV dc	4kV dc
Rated voltage	250 V	250 V

Attention: Cable connectors and receptacles are not to be used as an AC mains or power supply connector!

## Mechanical

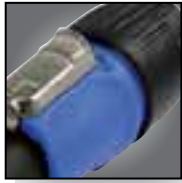
Lifetime	$> 1'000$ mating cycles	$> 1'000$ mating cycles
Chassis type	-	D
Cable O.D.	6.5 -10 mm	-
Wiring	Screw	flat tab (4.8 × 0.5 mm) or soldering
Locking device	$\leq 60 \text{ N}$	-
Mounting direction	2-6 mm	Front or rear mounting

## Material

Contact	Brass	Bronze
Contact plating	Ag	Ag
Insert	PBT	-
Shell	PA6+30% GF	PA6+30% GF
Strain relief	POM	-
Locking element	Zinc alloy	-
Boot	PA6+30% GF	-

## Environmental

Temperature range	-30 °C to +80 °C	-30 °C to +80 °C
Flammability	UL 94-V0	UL 94-V0
Solderability complies with	-	IEC68-2-20



## Power Connectors



RCAC3I-G-000



RRAC3I-G-000



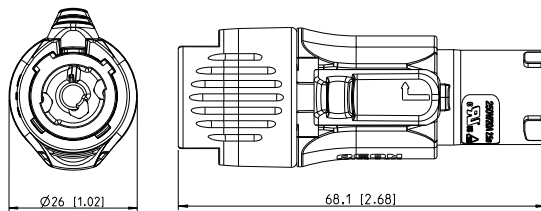
RCAC3O-G-000



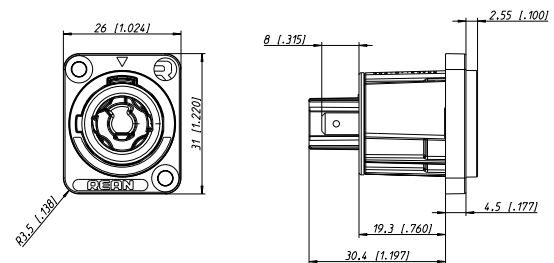
RRAC3O-G-000

- High current capacity, rated at 20A / 250V ac
- Rugged twist lock system, ergonomic quick lock design
- Color coding divided, power-in and power-out versions with different keying, avoid the possibility of intermating
- UL recognized components
- Chuck type strain relief, reliable cable capacity

### RCAC3I-G / RCAC3O-G



### RRAC3I-G / RRAC3O-G



## Ordering Information

### Article Name Details

#### Power Connectors

RCAC3I-G-000	Cable connector, blue housing, twist lock, screw type terminals, power inlet
RRAC3I-G-000	Receptacle, blue housing, air tight design, flat tabs or soldering terminals, power inlet
RCAC3O-G-000	Cable connector, grey housing, twist lock, screw type terminals, power outlet
RRAC3O-G-000	Receptacle, grey housing, air tight design, flat tabs or soldering terminals, power outlet

Note: Above products are bulk packaged with -0 for the article suffix and must be ordered in multiples of 100 pcs

### Specification

#### Cable connectors

#### Receptacles

#### Electrical

Number of contacts	2 + PE	2 + PE
Rated current per contact	20 A rms	20 A rms
Rated Voltage	250 V	250 V
Dielectric strength	4 kV ac	4 kV ac
Contact resistance	$\leq 3 \text{ m}\Omega$	$\leq 3 \text{ m}\Omega$
Insulation resistance (after dampheat)	$>0.1 \text{ G}\Omega$	$>0.1 \text{ G}\Omega$

#### Mechanical

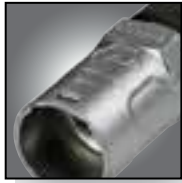
Retention method	Twist lock	Twist lock
Cable O.D.	6 - 15 mm	6 - 15 mm
Wiring	Screw type terminals or soldering	Flat tabs (4.8 x 0.5 mm) or soldering
-	Wiresize: 2.5 mm <sup>2</sup> / 14 AWG	-

#### Material

Shell	HC polymer HB	HC polymer HB
Insert	PA6+30% GF	PA6+30% GF
Contact	Brass	Bronze
Contact plating	Ag	Ag
Strain relief	POM	POM

#### Environmental

Temperature range	-30 °C to +80 °C
Solderability complies with	IEC68-2-20



## Ethernet Connectors

## Receptacles



RE8MY-1

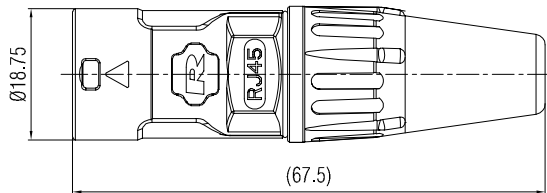


RRE8F-D-001

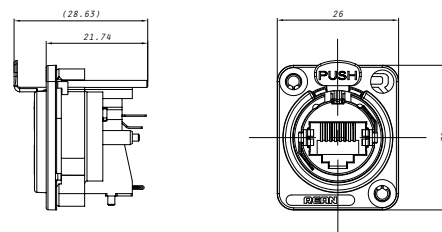
- Cable carrier accepts the most common RJ45 plugs
- Industrial application design, provide protection for the fragile RJ45 to ensure stable connection
- Chrome / black plated housing
- Cable connectors do not include a RJ45 plug

- CAT5e according to ISO/IEC 11801 and TIA/EIA 568B
- D shape flange
- Rugged latch lock system
- Vertical PCB mount

RE8MY-1



RRE8F-D-001



## Ordering Information

Article Name	Details
<b>RJ45 Cable Carriers</b>	
RE8MY-1	Cable carrier, do not include RJ45 plug, chrome plated housing
RE8MY-1-B	Cable carrier, do not include RJ45 plug, black plated housing
<b>RJ45 Receptacles</b>	
RRE8F-D-001	Rugged RJ45 receptacles, D shape mental flange, vertical PCB mount, latch lock

Note: Above products are bulk packaged with -0 for the article suffix and must be ordered in multiples of 100 pcs

## Specification

Electrical	Cable connectors	Receptacles
Contact resistance	-	$\leq 10 \text{ m}\Omega$
Dielectric strength	-	1kV dc
Frequency bandwidth	-	1 – 100 MHz
Insulation resistance	-	$> 0.5 \text{ G}\Omega$
Rated current per contact	-	1.5 A
Rated Voltage	-	$< 50 \text{ V}$
Transmission performance	-	CAT 5e

## Mechanical

Lifetime	$> 1'000$ mating cycles	$> 2'000$ mating cycles
Insertion / Withdrawal force	$\leq 20 \text{ N}$	$\leq 20 \text{ N}$
Cable O.D.	4.0 - 8.0 mm	Panel thickness: max. 4 mm 0.16'
Wiring	-	Vertical PCB mount
Locking device	-	Latch lock
Mounting direction	-	Front mounting
Chassis shape	-	D
Power over Ethernet	-	PoE+ acc. IEEE 802.3at

## Material

Shell	Zinc alloy	Zinc alloy
Shell plating	Chrome / Black	Black
Strain relief	POM	-
Contact	-	Bronze
Contact plating	-	Au
Insert	-	PBTP 15 % GR
Locking element	-	Zinc diecast
Button	-	65 Mn Steel
Button plating	-	Nickel

## Environmental

Flammability	UL 94 V-0
Standard compliance	TIA/EIA 586B, IEC 11801
Temperature range	-30 °C to +80 °C





## DIN Connectors



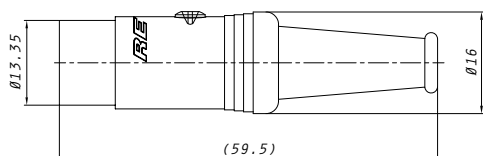
NYS323



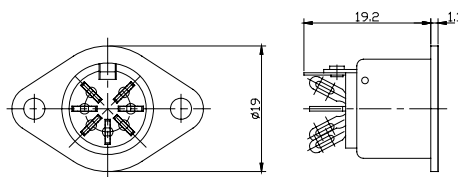
NYS325

- Conformed to standard multi-pin connector series
- Unbalanced line inputs and outputs for device ports
- Optional gold plated housing and contacts
- Provide 3, 5, 7 pole version

NYS323



NYS325



## Ordering Information

### Article Name Details

#### DIN Connectors

NYS321	3 pole DIN cable connector, male, nickel plated housing, silver plated contacts, REAN plastic package
NYS321G	3 pole DIN cable connector, male, nickel plated housing, gold plated contacts, REAN plastic package
NYS322	5 pole DIN cable connector, male, nickel plated housing, silver plated contacts, REAN plastic package
NYS322G	5 pole DIN cable connector, male, nickel plated housing, gold plated contacts, REAN plastic package
NYS322AG	5 pole DIN cable connector, male, gold plated housing, gold plated contacts, REAN plastic package
NYS323	7 pole DIN cable connector, male, nickel plated housing, silver plated contacts, REAN plastic package
NYS323G	7 pole DIN cable connector, male, nickel plated housing, gold plated contacts, REAN plastic package

#### DIN Receptacles

NYS324	3 pole DIN receptacles, female, nickel plated housing, silver plated contacts, bulk package
NYS325	5 pole DIN receptacles, female, nickel plated housing, silver plated contacts, bulk package
NYS326	7 pole DIN receptacles, female, nickel plated housing, silver plated contacts, bulk package

## Specification

### DIN Cable connectors

### DIN Receptacles

#### Electrical

Number of contacts	3 / 5 / 7	3 / 5 / 7
Contact resistance	$\leq 10 \text{ m}\Omega$	$\leq 10 \text{ m}\Omega$
Insulation resistance (initial)	$> 1000 \text{ M}\Omega$	$> 1000 \text{ M}\Omega$
Rated Voltage	50 V ac	50 V ac
Withstand Voltage	0.5kV dc	0.5kV dc

#### Mechanical

Lifetime	$> 1'000$ mating cycles	$> 1'000$ mating cycles
Insertion force	$\leq 24 - 56 \text{ N}$	$\leq 24 - 56 \text{ N}$
Withdrawal force	$> 3 - 7.5 \text{ N}$	$> 3 - 7.5 \text{ N}$
Separation force per contact	$> 120 \text{ N}$	$> 120 \text{ N}$

#### Material

Shell	Zinc alloy	High-Quality Steel
Shell plating	Nickel / Au	Nickel
Contact	Brass	Bronze
Contact plating	Ag / Au	Ag
Insert	PA6+30% GF	PA6+30% GF
Strain relief	PVC	-

#### Environmental

Temperature range	-30 °C to +85 °C
Solderability complies with	IEC68-2-20

# DUAL BANANA PLUG



## Dual banana plug



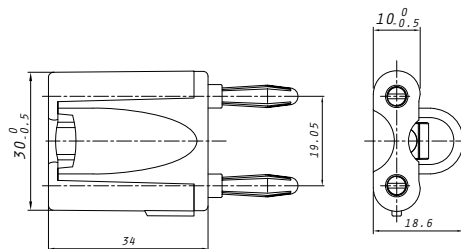
NYS508-B



NYS508-R

- Standard dual banana plug for high power output devices
- Gold plated contacts, ensure perfect transmission performance
- Optional black / red housing

### NYS5508-B



## Ordering Information

### Article Name Details

#### Dual Banana Plug

NYS508-B	Dual Banana Plug, cable O.D. 6.0 - 10.5 mm, gold plated contacts, black, bulk package
NYS508-R	Dual Banana Plug, cable O.D. 6.0 - 10.5 mm, gold plated contacts, red, bulk package

## Specification

### Electrical

Contact resistance	$\leq 10 \text{ m}\Omega$
Insulation resistance (initial)	$> 1000 \text{ M}\Omega$
Dielectric strength	500V dc
Rated Voltage	50 Vac

### Mechanical

Lifetime	$> 1'000$ mating cycles
Insertion force	$\leq 56 \text{ N}$
Withdrawal force	$> 7.5 \text{ N}$

### Material

Contact	Bronze
Contact plating	Au
Shell	PA6+30%GF
Shell color	Black / Red / Customize
Retainers	PA6+30%GF
Nut	Steel
Nut plating	Nickel
Strain relief	POM

### Environmental

Temperature range	-20 °C to +70 °C
Solderability complies with	IEC68-2-20



Patch Panels



Stage Box



NYS-SSR-8



NSB2A-20/4



NSB2B-12/4

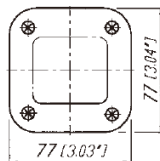
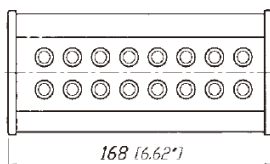


NSB1C-8/0

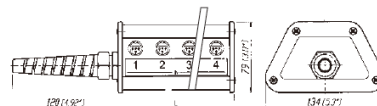
- Simple connection method for audio system
- 8 I/O 1/4" patch panels
- Rugged metal housing
- Convenient assembly, easy to use

- Special module system for size and space customization
- Personalized I/O connector combination, optional various length
- Convenient assembly
- 3 pole IDC XLR, no stripping or soldering required
- Does not contain self-adhesive channel digital label, need to be ordered separately
- Cost-effective

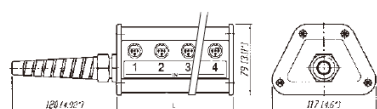
NYS SSR-8



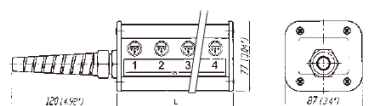
A



B



C



A	Length
NSB1A	132 (5.2')
NSB2A	252 (9.93')
NSB3A	372 (14.65')
NSB4A	491 (19.33')

B	Length
NSB1B	132 (5.2')
NSB2B	252 (9.93')
NSB3B	372 (14.65')

C	Length
NSB1C	132 (5.2')
NSB2C	252 (9.93')
NSB3C	372 (14.65')

## Ordering Information

### Article Name Details

#### Patch Panels

NYS-SSR-8	8 line in - 8 line out 1/4" patch panels
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#### Stage Box - A

NSB1A-8/4	Length 1, 8 line in (female/output) - 4 line out (male/ input)
NSB2A-12/4	Length 2, 12 line in (female/output) - 4 line out (male/ input)
NSB2A-20/4	Length 2, 20 line in (female/output) - 4 line out (male/ input)
NSB3A-32/4	Length 3, 32 line in (female/output) - 4 line out (male/ input)
NSB4A-40/4	Length 4, 40 line in (female/output) - 4 line out (male/ input)
NSB4A-40/8	Length 4, 40 line in (female/output) - 8 line out (male/ input)

#### Stage Box - B

NSB1B-8/0	Length 1, 8 line in (female/output)
NSB2B-12/4	Length 2, 12 line in (female/output) - 4 line out (male/ input)
NSB2B-16/0	Length 2, 16 line in (female/output)
NSB3B-20/4	Length 3, 20 line in (female/output) - 4 line out (male/ input)

#### Stage Box - C

NSB1C-8/0	Length 1, 8 line in (female/output)
NSB2C-12/4	Length 2, 12 line in (female/output) - 4 line out (male/ input)
NSB3C-20/4	Length 3, 20 line in (female/output) - 4 line out (male/ input)

(Delivery of bulk products, including boxes, cover plates, brackets, cable joints and screws )

## Specification

### Patch Panels

### Stage Box

#### Electrical

Rated current	depends on mating connector	2 A
Contact resistance	depends on mating connector	< 5 mΩ
Insulation resistance	>1 GΩ	>1 GΩ
Dielectric strength	500 V dc	500 V dc

#### Mechanical

Lifetime	> 1'000 mating cycles	> 1'000 mating cycles
Insertion / Withdrawal force	≤ 10 N / ≥ 10 N	≤ 10 N / ≥ 10 N
Cable O.D.	-	15 -20 mm
Wiresize	-	0.22 mm² / 24 AWG or 0.14 mm² / 26 AWG

#### Material

Housing	Al	Al
Square plate	-	POM
Cover	Thermoplastic	Thermoplastic
Contact	Nickel plated	Gold plated
Temperature range	-25 °C to +70 °C	-25 °C to +70 °C