

**BUILT TO CONNECT,  
MADE FOR YOUR  
BEST RIDE.**





# OUR MISSION

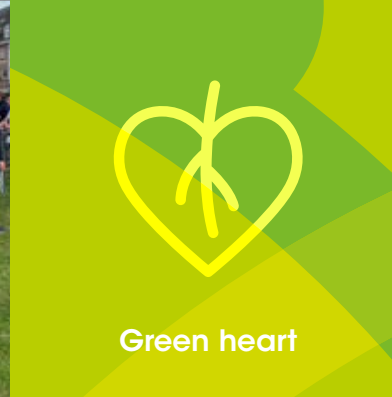
Relieving manufacturers  
by advising, customising  
and stocking the right  
Higo e-bike connector  
solution.



Taking ownership



Expert in our business



Green heart



Integrity





# OUR BACKGROUND

## SET-UP OF LTD

Maarten Voermans steps in. Together they set up an Ltd company.

## E-BIKE INDUSTRY

A&C Solutions becomes exclusive distributor of **Higo** connectors in Europe.

## NEW PREMISES

Strong growth requires a move to an office & warehouse building of 1000m².

## SUSTAINABLE BUSINESS

Start of sustainability plans with the certification of ISO 14001 and the membership of digital supply chain platform Sustainabill.

## EXPANSION

Physical expansion on site to meet the growing need for stock management services. Extra offices & warehouse of 750m².



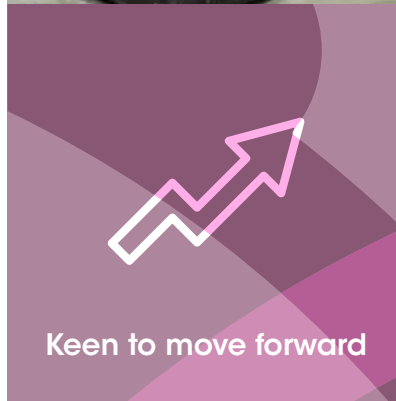
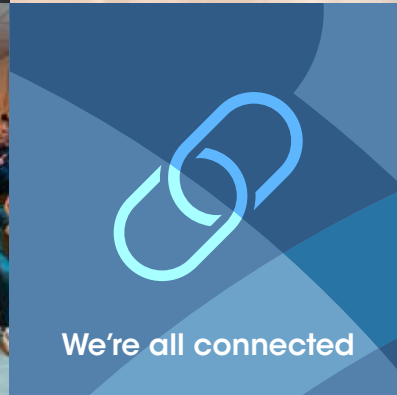


# OUR VISION

We want to be the European online & offline market leader in E-bike connectors bringing to life every customer's great e-mobility project by a customer centric and sustainable approach with passion for technology and a clear focus on JIT delivery and operational excellence.



Excel in customer experience





# OUR COMMITMENT TO A MORE SUSTAINABLE WORLD





A great e-bike connector experience starts with a great product



## INNOVATOR

Higo is a pioneer in e-bike connector manufacturing. It has a strong R&D focus with more than 60 patented designs. Higo is continuously investing in emerging technologies to develop ever smaller e-bike connector designs.



## FULL SERVICE MANUFACTURER

From 50.000m<sup>2</sup> of production plants, Higo fully manufactures and assembles e-bike cabling projects in-house. This goes from the production of cables, tooling development, the single-handedly turning of contacts to the assembly of connectors or switches.



## FLEXIBILITY IN CUSTOMISED CONNECTORS

Higo is able to fully customise connectors, cable harnesses and splitters according to the requirements of each e-bike design.



## QUALITY LEADS THE WAY

Our ISO 9001 organisations are based on predefined working procedures, incoming and outgoing checks and ongoing self-assessment. Higo also works with an in-house testing laboratory. Besides that, Higo is CQC certified and has UL/CSA approvals.



# YOUR ALL-IN-ONE E-BIKE CONNECTOR PARTNER

A great product complemented with excellent services



## LOCAL SPECIALISTS

A&C Solutions has a clear focus on e-bike connectors and +30 years of in-house connector experience. We know the market and understand your business. Our team is always nearby to discuss your project and support you with technical advice in your language.



## PROJECT MANAGEMENT

As complementary partners, we manage your customised connector, cable harness or splitter project from design to delivery for any type of e-mobility design.



## EUROPEAN STOCK MANAGEMENT

A&C Solutions offers a large range of standard Higo signal, battery and motor connectors directly available from stock. From our 1000m² site centrally in Europe we support you with just-in-time stock management services and label options on demand.



## PROFESSIONAL SUPPORT

Our customers are our highest good. We are always available during your business hours with quick & professional feedback. When things don't turn out the way they were planned, we also ensure a firm and adequate complaint handling.







# OUR HOME BASE

LOCATED IN TURNHOUT WITH A 1000M<sup>2</sup> WAREHOUSE





# CLOSE TO YOU

## WITH PRODUCTS & PEOPLE



**JAN VAN DIJCK**  
Sales Manager



**KRISTOF VAN WETERING**  
Product Manager



**JASPER DE CEUSTER**  
Account Manager



**JONI IVENS**  
Account Manager



**JANA WILLEMS**  
Account Manager



**JANNES CHRISTIAENSEN**  
Key Account Manager



**NILS HÖLSCHER**  
Business Development  
Manager



**MATHYS HUVELIN**  
Business Development  
Manager



**IGNACIO HIGES**  
Business Development  
Manager





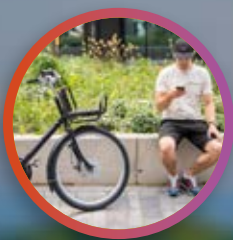
# CREATING BEST RIDES TOGETHER



**anod**



**3x3**



**COMODULE**



**pinion**



**CARGO CYCLING**



**Rohloff**



**SEG**  
AUTOMOTIVE



**VUF**



**ASKA**



**HERRMANS**



**IoT Venture**



**LUPINE**  
LIGHTING SYSTEMS



**vanRaam**  
LET'S ALL CYCLE



**enviolo**



**QORE**






**busch+müller**








# SIGNAL

# BATTERY

# MOTOR

ARTICLE NUMBER	SHAPE	N° OF POLES	RATED CURRENT (A)	PAGE
Mini B <b>Z*09B</b>	P	2-6	2	22
Mini B <b>Z*09B</b>	C	2-6	2	23
Mini F <b>Z*09F</b>	P/A	2-6, 8-9	2	24
Mini F <b>Z*09F</b>	C	2-6, 8-9	2	25
Micro Q <b>Z*06Q</b>	P/C	3-6	2	26
Micro X <b>Z*05X</b>	P	2-6	2	27
Micro M <b>Z*05M</b>	P/C	2,4	2	28
Micro T <b>Z206T</b>	P	2	2	29
Micro T <b>Z*07T</b>	P/C	3,6	2	29
Micro A <b>Z205A</b>	P/R/A	2	2	30
Micro B <b>Z205B</b>	P	2	5	30
Micro A <b>Z305A</b>	P	3	2	31
Mini C <b>L*09C</b>	P/C	2-6	2	32
Mini C <b>L810C</b>	P/C	8	2	32
<b>Z707D</b>	P	7	5/2	33
<b>Z1007C</b>	P	10	2	34
<b>Z1211A</b>	P	12	2	35
<b>Z1513A</b>	P	15	2	35
<b>Z209E</b>	P	2	2	
<b>Z*12A</b>	P	8-10	2	
<b>Z710A</b>	P	7	2	

ARTICLE NUMBER	SHAPE	N° OF POLES	RATED CURRENT (A)	PAGE
<b>Z216A</b>	P	2	25	38
<b>Z*11A</b>	P/C	3,4	5	39
<b>Z409E</b>	P/R	4 (2+2)	15/2	40
<b>Z511B</b>	P	5 (2+3)	20/2	41
<b>Z610C</b>	P	6 (2+4)	15/2	42
<b>Z212A</b>	P	2	8	43
<b>Z624C</b>	P/C	6 (2+4)	40/5	44
<b>Z624B</b>	P/C/A	6 (2+4)	40/5	45
<b>Z913C</b>	P	9 (2+7)	15/2	46
<b>F/Z618A</b>	P/C/A	6 (2+4)	30/2	47
<b>F621A</b>	C	6 (2+4)	30/2	48
<b>S526A</b>	A/C	5 (2+3)	25/2	49
<b>S828A</b>	A/C	8 (2+2+4)	25/12/2	50
<b>S828B</b>	A/C	8 (2+1+5)	50/15/2	51
<b>S835A</b>	P/C	8 (2+6)	100/2	52
<b>S824A</b>	A/C	8 (2+6)	70/2	53
<b>S824B</b>	A/C	8 (2+6)	40/2	53
<b>L513A</b>	P/C	5 (2+3)	25/2	54
<b>L615A</b>	P/C	6 (2+4)	40/2	55
<b>Z215A</b>	P	2	20	
<b>L218A</b>	P	2	25	
<b>Z1228B</b>	P	12 (2+2+8)	25/10/2	
<b>Z718A</b>	P/C/A	7 (2+5)	25/2	
<b>Z728A</b>	P/C	7 (2+5)	25/2	
<b>Z610B</b>	P	6 (2+4)	20/2	

ARTICLE NUMBER	SHAPE	N° OF POLES	RATED CURRENT (A)	PAGE
<b>Z310D</b>	P	3	15	58
<b>Z*10A</b>	P	6 (3+3) / 9 (3+6)	15/2	59
<b>Z913B</b>	P	9 (3+6)	15/2	60
<b>Z919A</b>	P	9 (3+6)	20/2	61
<b>Z1012B</b>	P	10 (3+7)	20/2	62
<b>Z1115A</b>	P	11 (3+8)	25/2	63
<b>L315A</b>	P	3	35, 28	64
<b>L1019A</b>	P/R	10 (3+7)	30/2	65
<b>L1019D</b>	P/R	10 (3+7)	45/2, 40/2	66
<b>L1114A</b>	P	11 (3+8)	20/2	67
<b>Z310B</b>	P	3	15	

R = REAR PANEL MOUNT

C = PANEL MOUNT

A = ANGLED PLUG

P = PLUG





## CUSTOMISED SOLUTIONS



CUSTOMISED CONNECTORS

14 - 15



CABLE HARNESSES

16 - 17



SPLITTERS

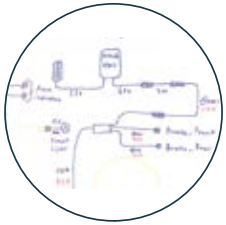
18 - 19



# WE MANAGE YOUR PROJECT FROM DESIGN TO DELIVERY

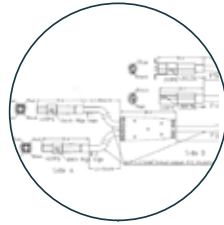
## INITIAL REQUEST

Every project starts with a drawing or with technical specifications of the cable harness or the customised connector you require.



## OUR CONCEPT DRAWING

When all aspects of the project have been validated, our team creates the drawing with all electrical specifications and materials used.



## PRODUCTION & QUALITY CHECK

When samples have been approved, production will start-up and required tests are performed in Higo's in-house laboratory.



## LOCAL SUPPORT

During all stages of the project, our specialists are always nearby to support you with technical advice, often even in your own language.



## ANALYSING YOUR REQUEST

Based on your drawing or technical specifications, our specialists analyse your request, check the feasibility and set-up of your requirements.



## PROTOTYPE SAMPLES & TESTING

Higo will first start manufacturing a prototype and samples for you to test if all requirements of your application are met.



## EUROPEAN STOCK MANAGEMENT

A&C Solutions ensures that the production of your e-mobility design continues to run smoothly with quick & timely deliveries of your final product.



## PROJECT GO LIVE

When a project comes to live, we are just as proud as you are. Watch here an example of such a project:







# CUSTOMISED CONNECTORS



ANGLED BATTERY CONNECTOR FOR PCB



ANGLED MOTOR CONNECTOR FOR PCB



CONNECTOR FOR CHARGING STATION



MOTOR CONNECTOR



# CUSTOMISED CONNECTORS



MINI F PANEL MOUNT FOR PCB



PCB ASSEMBLY FOR POWER & SIGNAL



HIGH POWER BATTERY CONNECTOR WITH LOCKING LEVER



ANGLED TERMINALS FOR PCB MOUNTING



CUSTOMISED TERMINAL BLOCK



CUSTOMISED INTERFACE WITH 180° MATING





# CABLE HARNESSES



OVERMOULDED HEADER



OVERMOULDED SWITCHES



FULL CABLE HARNESS



SPLITTER WITH INTEGRATED BUTTON AND LED LIGHT



# CABLE HARNESSSES



LARGE SPLITTER FOR POWER DISTRIBUTION



GROMMET WITH CLIP



SMALL SPLITTER FOR SIGNAL DISTRIBUTION



CABLE MARKING AND LASER ENGRAVING



SPLITTER WITH INTEGRATED CONNECTOR



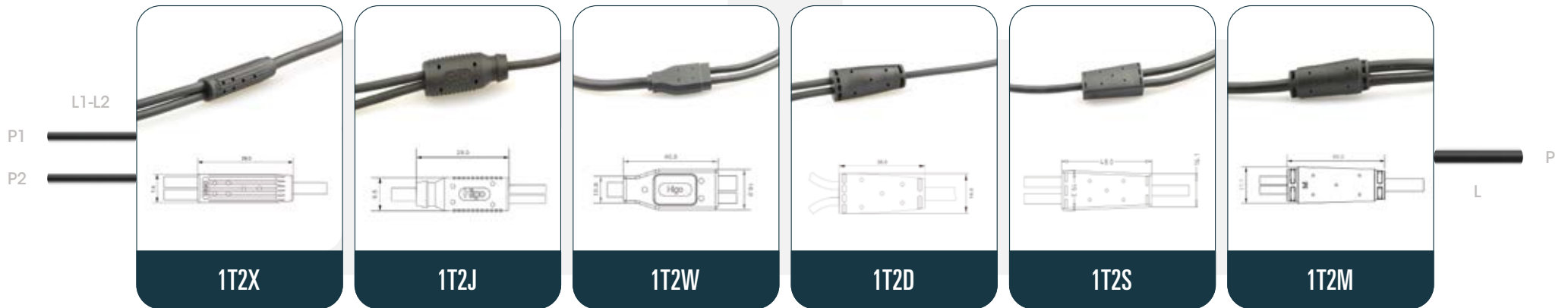
SPLITTER WITH 2 INTEGRATED PANEL MOUNTS



# SPLITTERS

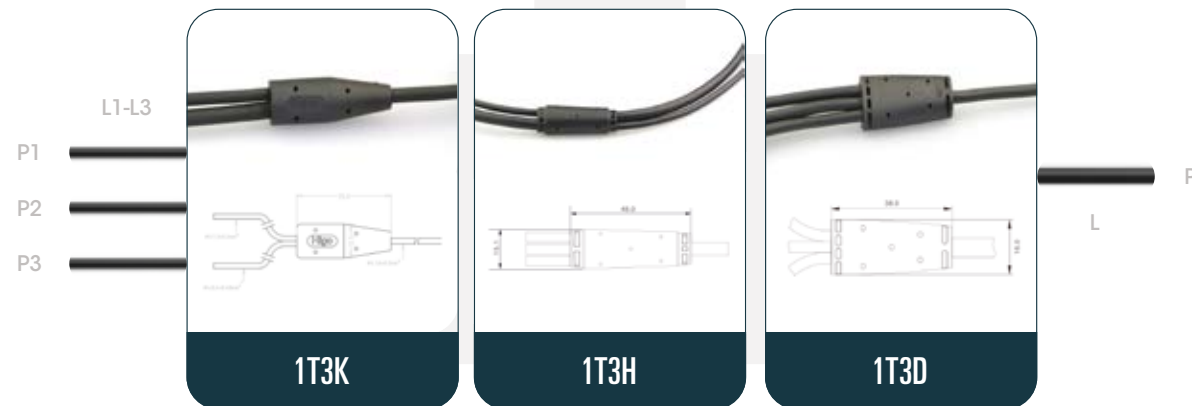


1T2



SIDE  
A

1T3



SIDE  
B

**P1 - P2/3**  
Select your  
connector

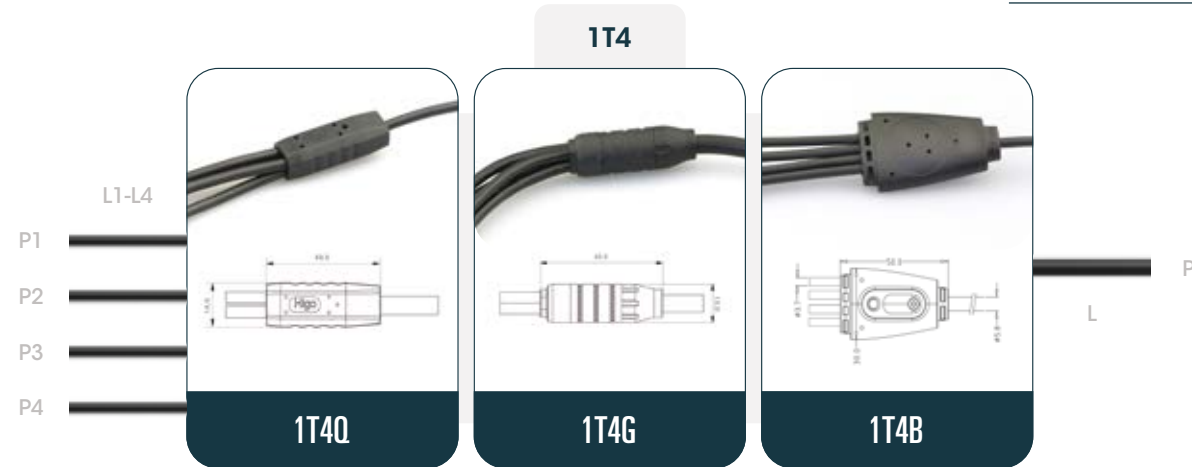
**L1 - L2/3**  
Select your  
cable length

Select your splitter or define maximum size  
**L \* W \* H**

**L**  
Select your  
cable length

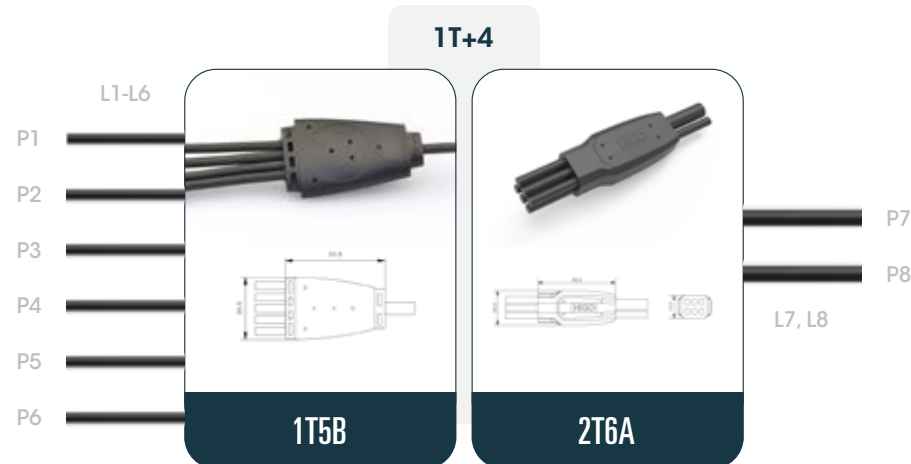
**P**  
Select your  
connector





SIDE  
**A**

SIDE  
**B**



**P1 - P4/6**  
Select your  
connector

**L1 - L4/6**  
Select your  
cable length

Select your splitter or define maximum size  
**L \* W \* H**

**L**  
Select your  
cable length

**P**  
Select your  
connector







## SIGNAL CONNECTORS



SIGNAL MINI B

22 - 23



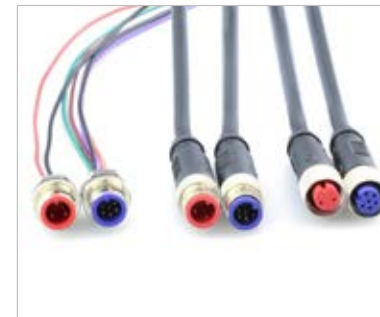
SIGNAL MINI F

24 - 25



SIGNAL MICRO Q/X/M/T/A/B

26 - 31



SIGNAL MINI C

32



Z707D/Z1007C

33-34



SIGNAL MAIN PLUG

35



For a complete  
overview of signal  
connectors



# SIGNAL CONNECTORS MINI B PLUG



## ARTICLE NUMBER BUILD-UP:

Number of poles:  
2 up to 6

Cable length in mm

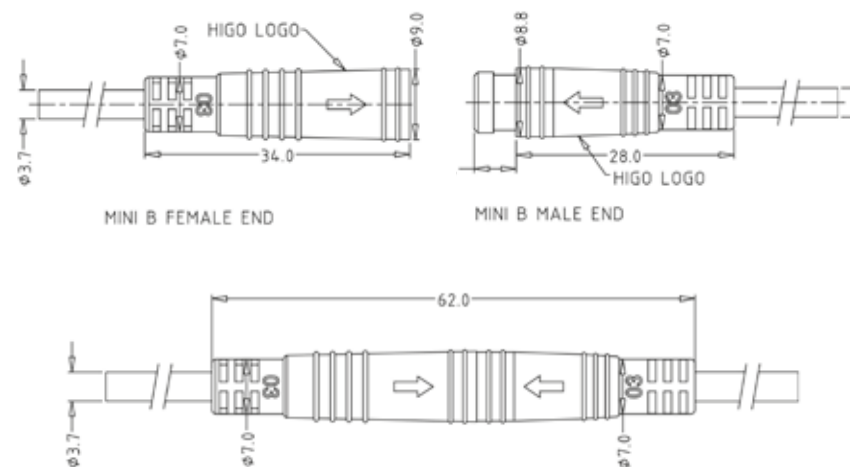
00: Standard  
01: Cable & wires stripped + tinned  
05: Customised with other connectors

M: Female  
G: Male

EXTENSION CABLES:  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

A0: PVC cable 2x0,2mm<sup>2</sup>  
A1: PVC cable 3x0,2mm<sup>2</sup>  
A2: PVC cable 4x0,14mm<sup>2</sup>  
A3: PVC cable 5x0,14mm<sup>2</sup>  
A4: PVC cable 6x0,14mm<sup>2</sup>  
For more options: see website

Article number example: Z\*09B\* P \*\* \*\* \*



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP66
Mating Cycles:	200 times
Outside Diameter:	9,0mm
Fitting Length:	62,0mm
Wire Specification:	0,14mm <sup>2</sup> / 0,2mm <sup>2</sup>

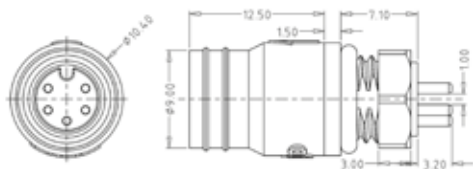


# HIGO

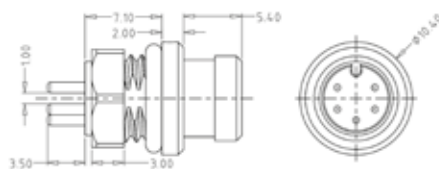




# SIGNAL CONNECTORS MINI B PANEL MOUNT



FEMALE END



MALE END

## ARTICLE NUMBER BUILD-UP:

Number of poles:  
2 up to 6

02: With solder cup contacts without wires  
03: With solder cup contacts with wires  
04: With straight PCB contacts

Z \* 09 B \* C \* \* \* \* \*

M: Female  
G: Male

oo: No cable

Cable length in mm

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP66
Mating Cycles:	200 times
Outside Diameter:	9,0mm
Fitting Length:	62,0mm
Wire Specification:	0,14mm <sup>2</sup> / 0,2mm <sup>2</sup>

Cover for male:  
ZX09BG

Cover for female:  
ZX09BM

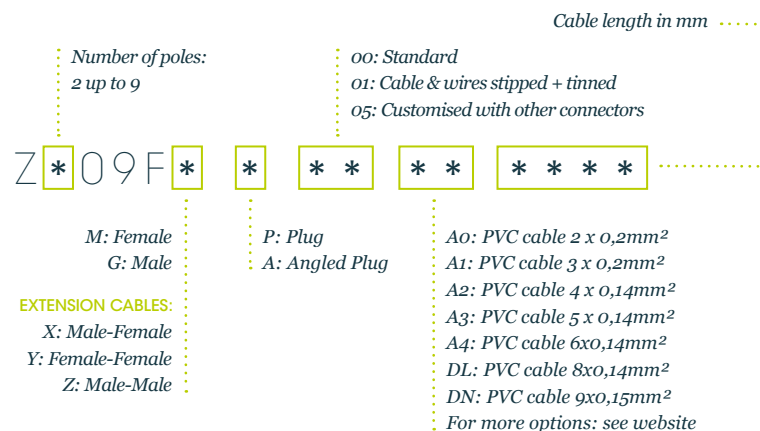
# CONNECTOR



# SIGNAL CONNECTORS MINI F PLUG



## ARTICLE NUMBER BUILD-UP:

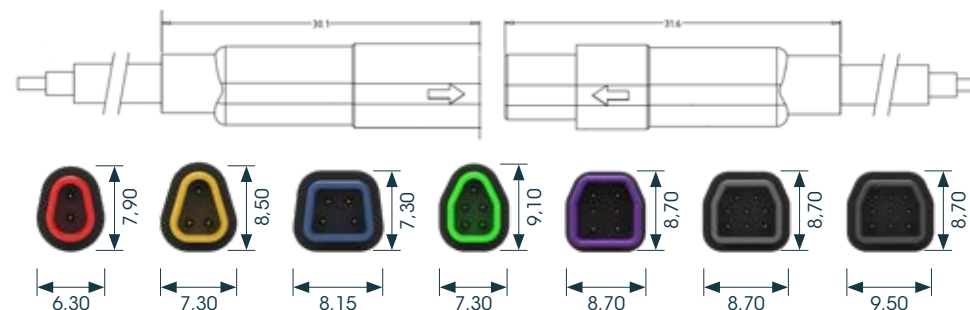


## CHARACTERISTICS

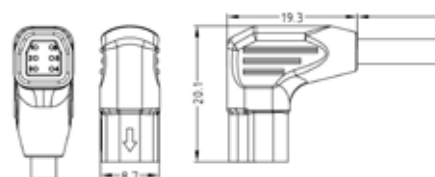
Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP66/IP67
Mating Cycles:	200 times
Fitting Length:	55,0mm
Wire Specification:	0,14mm <sup>2</sup> / 0,2mm <sup>2</sup>

FEMALE PLUG

MALE PLUG



6-pole version



# HIGO



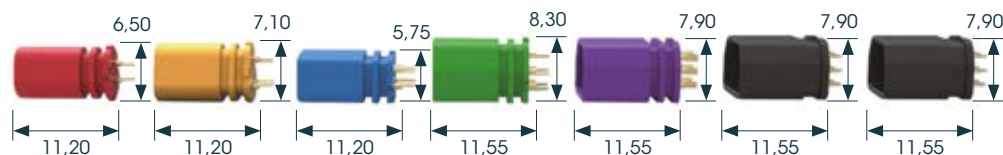


# SIGNAL CONNECTORS MINI F **PANEL MOUNT**



Z409FG:  
COVER FOR MALE

Covers for male and female connectors available from 2 to 9 poles



## ARTICLE NUMBER BUILD-UP:

Number of poles:  
2 up to 9

04: With straight PCB contacts

Z \* 09 F \* C \* \* 00 0000

M: Female  
G: Male

oo: No cable

Cable length in mm

Female only available in 2,3,6 and 8 poles  
Contact our sales team for a tailor made backshell for your design

## CHARACTERISTICS

Temperature Range: -25°C up to +80°C  
Rated Voltage: 48V AC / 60V DC  
Rated Current: 2A  
Contact Resistance:  $\leq 10\text{m}\Omega$   
Insulation Resistance:  $\geq 20\text{M}\Omega$   
Protection Level: IP66/IP67  
Mating Cycles: 200 times

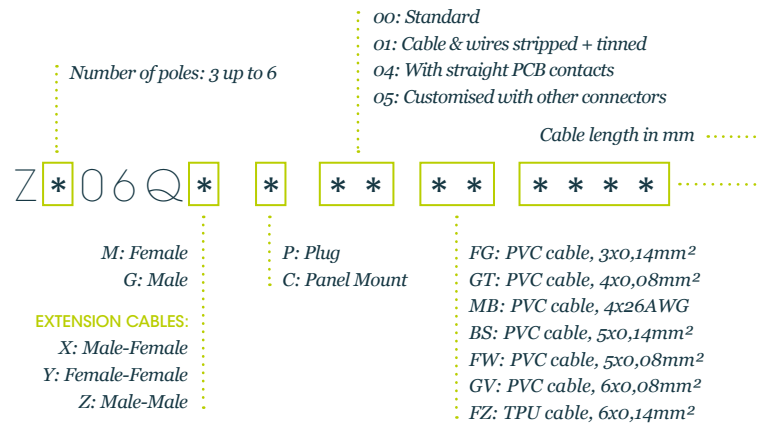
# CONNECTOR



# SIGNAL CONNECTORS MICRO Q PLUG & PANEL MOUNT



## ARTICLE NUMBER BUILD-UP:

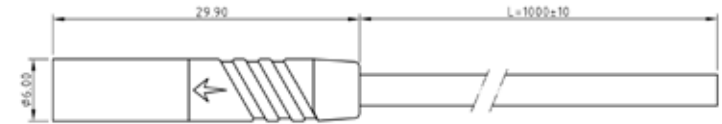


## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	50 times
Outside Diameter:	6,0mm
Fitting Length:	50,0mm
Wire Specification:	0,08mm <sup>2</sup> / 0,14mm <sup>2</sup>



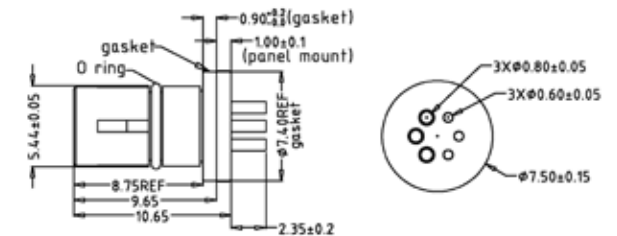
MALE END



FEMALE END



FEMALE PANEL MOUNT



PATENTED

ZX06QM  
DUST COVER FOR  
MICRO Q, FEMALE

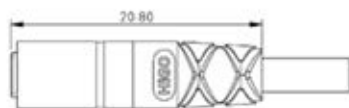


# HIGO

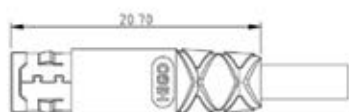




# SIGNAL CONNECTORS MICRO X PLUG



MALE END



FEMALE END



## ARTICLE NUMBER BUILD-UP:

Number of poles: 2 up to 6		Cable length in mm	
		00: Standard 01: Cable & wires stripped + tinned 05: Customised with other connectors	
Z	*05X*	P	* * * * *
		DS: PVC cable, 2x0.14mm <sup>2</sup> FG: PVC cable, 3x0.14mm <sup>2</sup> GT: PVC cable, 4x0.08mm <sup>2</sup> FW: PVC cable, 5x0.08mm <sup>2</sup> DY: PVC cable, 6x0.08mm <sup>2</sup>	
		EXTENSION CABLES: X: Male-Female Y: Female-Female Z: Male-Male	

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	5,5mm
Fitting Length:	36,0mm
Wire Specification:	0,08mm <sup>2</sup> / 0,14mm <sup>2</sup>

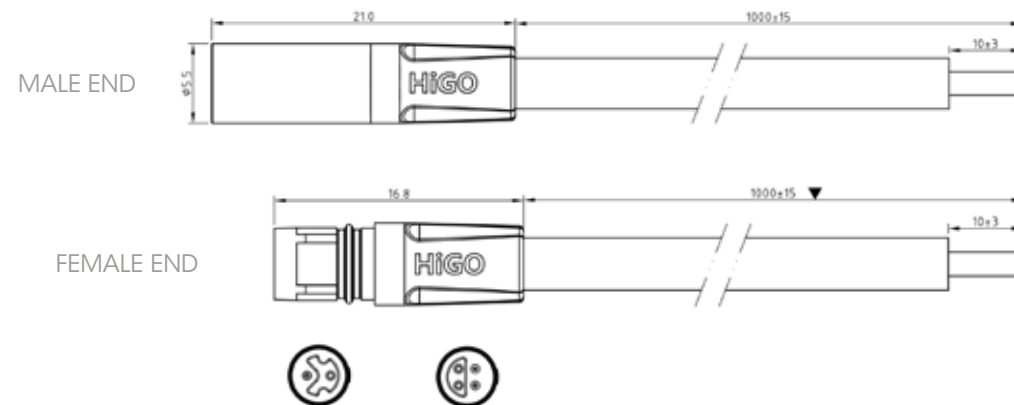
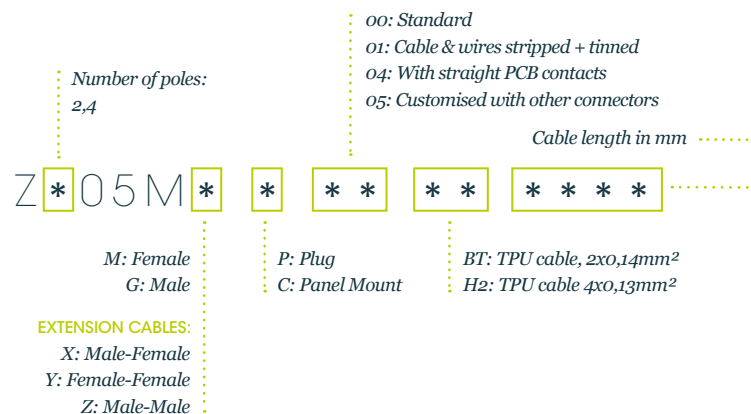
# CONNECTOR



# SIGNAL CONNECTORS MICRO M PLUG

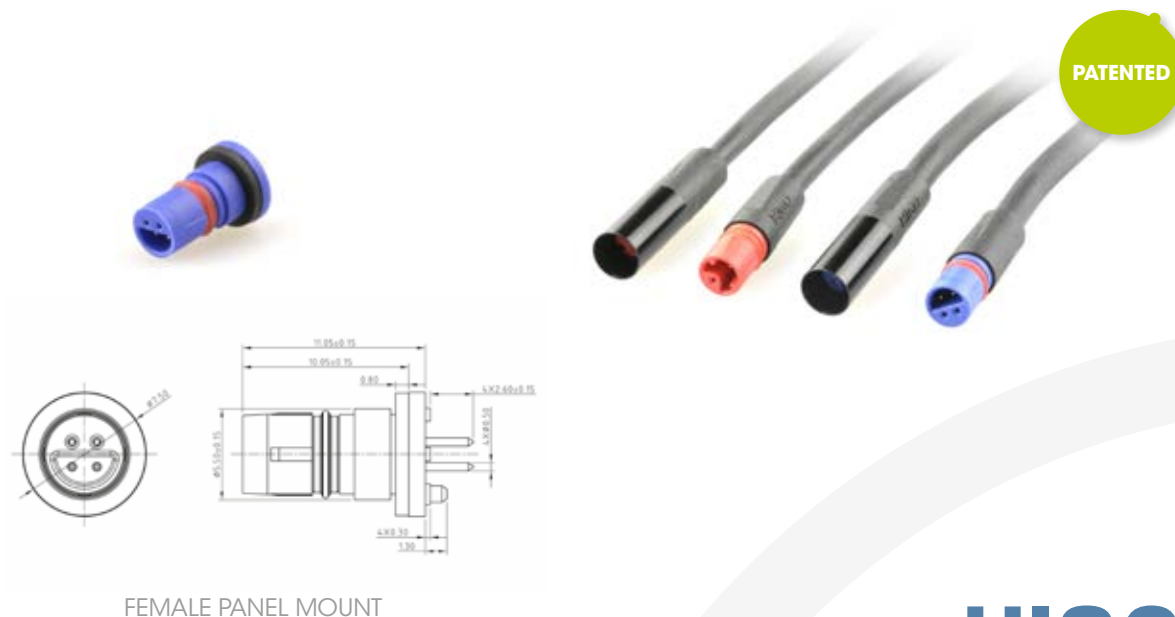


## ARTICLE NUMBER BUILD-UP:



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	50 times
Outside Diameter:	5,5mm
Fitting Length:	30,0mm
Wire Specification:	0,13mm <sup>2</sup>



# HIGO

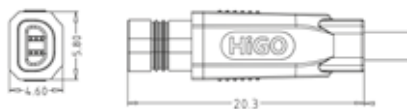




# SIGNAL CONNECTORS MICRO T **PLUG & PANEL MOUNT**



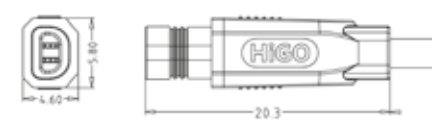
2-POLE MALE END



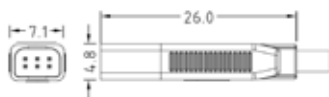
2-POLE FEMALE END



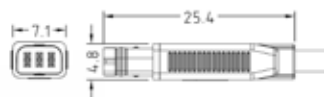
3-POLE MALE END



3-POLE FEMALE END



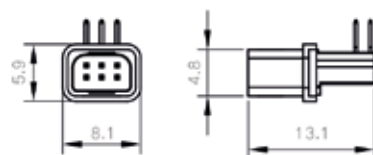
6-POLE MALE END



6-POLE FEMALE END



6-POLE PANEL MOUNT



## ARTICLE NUMBER BUILD-UP:

		Number of poles: 2, 3 and 6		P: Plug C: Panel Mount		Cable length in mm					
		00: Standard 01: Cable & wires stripped + tinned 05: Customised with other connectors									
Z	*	*	*	T	*	*	*	*	*	*	*
		06: 2 poles 07: 3 & 6 poles		M: Female G: Male		DS: PVC cable 2x0,14mm <sup>2</sup> D2: PVC cable 3x0,14mm <sup>2</sup> DY: PVC cable 6x0,08mm <sup>2</sup>					
				EXTENSION CABLES: X: Male-Female Y: Female-Female Z: Male-Male							

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	2 poles: 5,8mm, 3&6 poles: 7mm
Fitting Length:	2&3 poles: 35mm, 6 poles: 45mm
Wire Specification:	0,08mm <sup>2</sup> / 0,14mm <sup>2</sup>

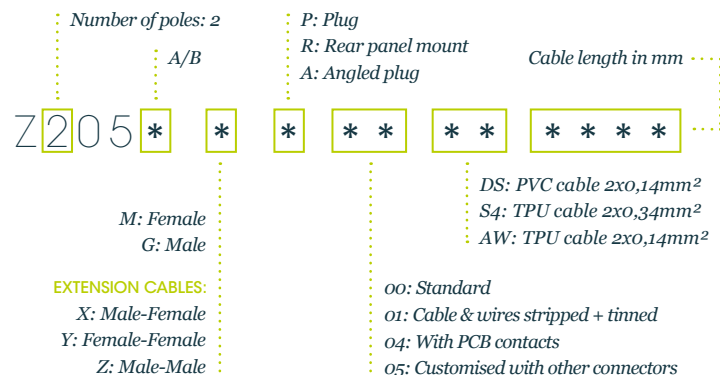
# CONNECTOR



# SIGNAL CONNECTORS MICRO A/B\* 2-POLE PLUG & PANEL MOUNT



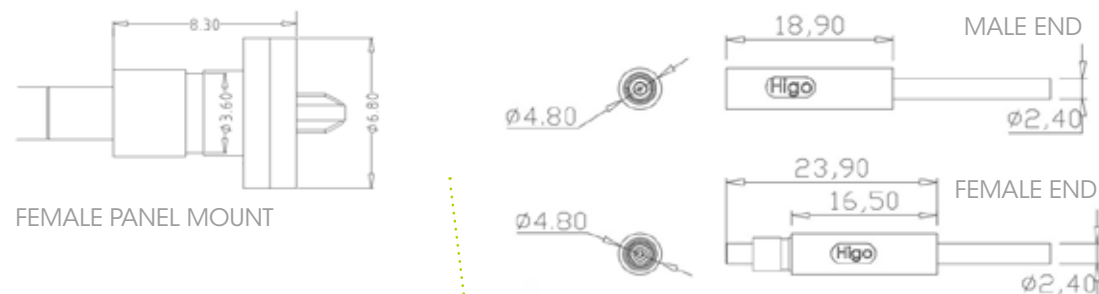
## ARTICLE NUMBER BUILD-UP:



## CHARACTERISTICS

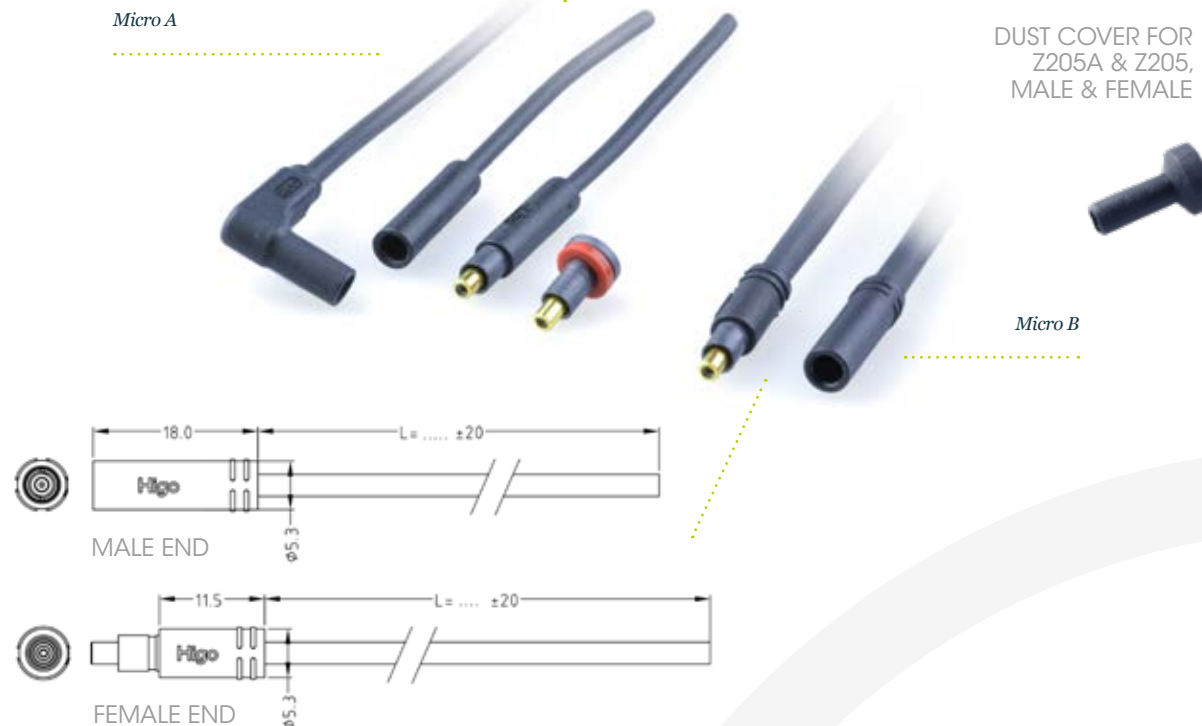
Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC/DC
Rated Current:	2A (DS/AW) / 5A (S4)
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	4,8mm (A), 5,3mm (B)
Fitting Length:	35,4mm (A), 29,5mm (B)
Wire Specification:	0,14mm <sup>2</sup> (A/B) / 0,34mm <sup>2</sup> (B)

\* A or B are indicated when a specification is only applicable for one or the other

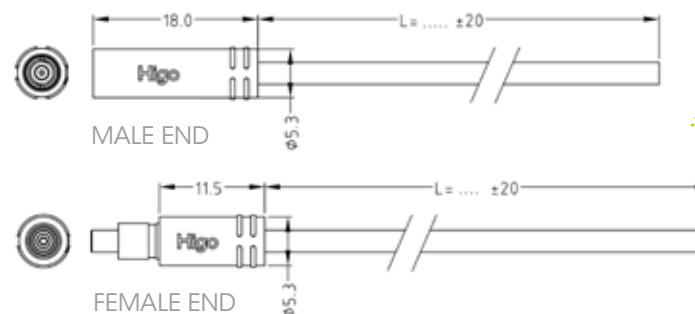


Micro A

DUST COVER FOR  
Z205A & Z205,  
MALE & FEMALE



Micro B

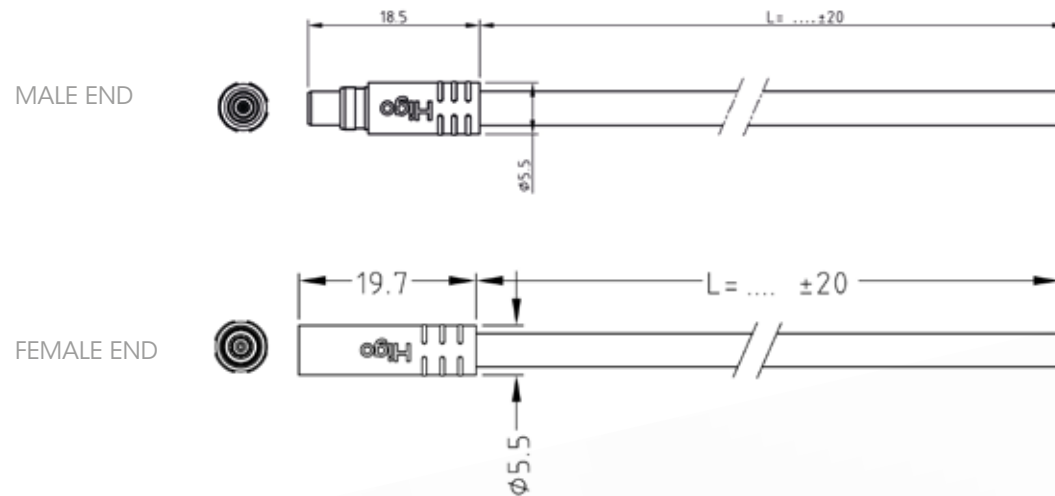


# HIGO





# SIGNAL CONNECTORS MICRO A 3-POLE PLUG



## ARTICLE NUMBER BUILD-UP:

Number of poles: 3  
00: Standard  
01: Cable & wires stripped + tinned  
05: Customised with other connectors

Z305A \* P \* \* FV \* \* \* \*

M: Female  
G: Male

EXTENSION CABLES:  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

FV: PVC cable, 3x0,14mm<sup>2</sup>  
Cable length in mm

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP66
Mating Cycles:	200 times
Outside Diameter:	5,5mm
Fitting Length:	31,7mm
Wire Specification:	0,14mm <sup>2</sup>

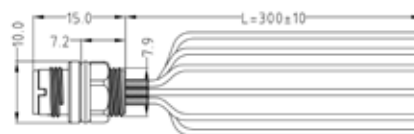
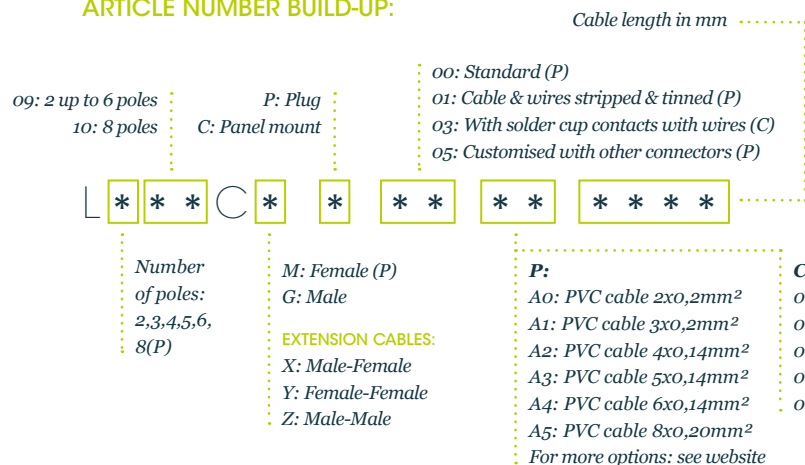
# CONNECTOR



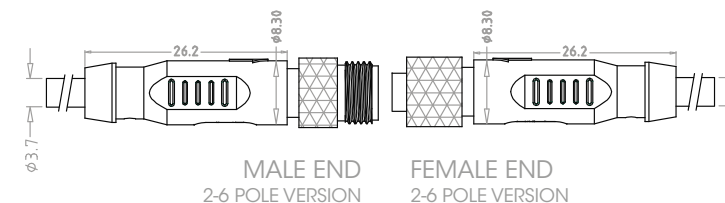
# SIGNAL CONNECTORS MINI C PLUG (P) & PANEL MOUNT (C)\*



## ARTICLE NUMBER BUILD-UP:

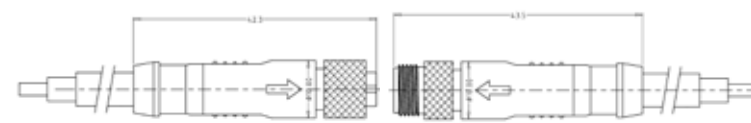


MALE PANEL MOUNT



MALE END  
2-6 POLE VERSION

FEMALE END  
2-6 POLE VERSION



FEMALE END  
8- POLE VERSION

MALE END  
8- POLE VERSION

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	9,0mm (P) / 10,0mm (C)
Fitting Length (P):	68,6mm (2-6p) / 80,0mm (8p)
Wire Specification:	0,14mm <sup>2</sup> / 0,2mm <sup>2</sup> (P) 0,2mm <sup>2</sup> / 0,34mm <sup>2</sup> (C)

\* P or C are indicated when a specification is only applicable for one or the other

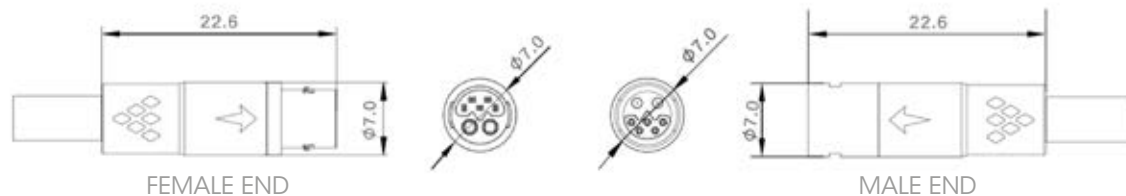


# HIGO



NEW

# SIGNAL CONNECTORS **PLUG**



## ARTICLE NUMBER BUILD-UP:

Number of poles:  
7 (2+5)

Cable length in mm

00: Standard  
01: Cable & wires stripped + tinned  
05: Customised with other connectors

Z 7 07 D \* P \* \* \* \* \*

M: Female  
G: Male

EXTENSION CABLES:  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

Eg: TPU-FEP, OD 4,4mm, 2x20 AWG + 5x26 AWG

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC/DC
Rated Current:	5A/2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	7,0mm
Fitting Length:	40,0mm
Wire Specification:	2x20 AWG + 5x26 AWG

# CONNECTOR

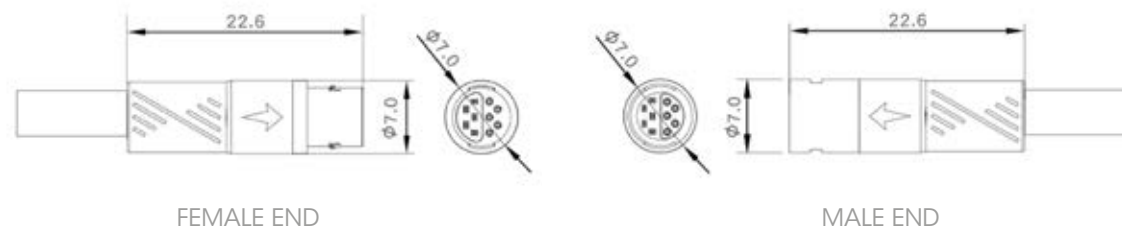
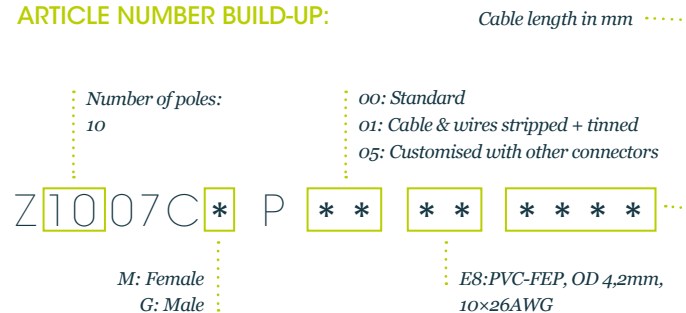


# SIGNAL CONNECTORS **PLUG**



NEW

## ARTICLE NUMBER BUILD-UP:



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC/DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	7,0mm
Fitting Length:	40,0mm
Wire Specification:	10 x 26 AWG



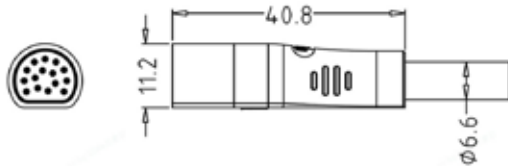
# HIGO



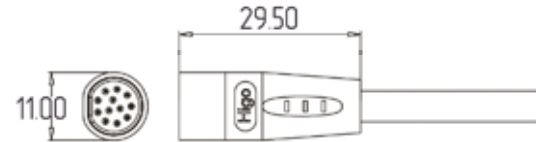


# SIGNAL CONNECTORS MAIN PLUG

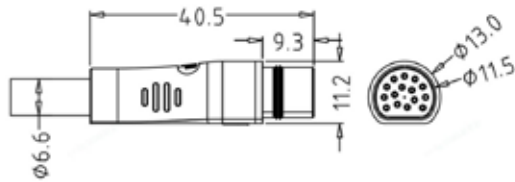
MALE END



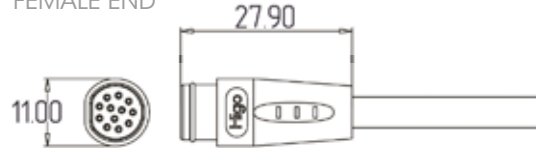
MALE END



FEMALE END



FEMALE END



## ARTICLE NUMBER BUILD-UP:

Number of poles: 12, 15		00: Standard					
		01: Cable & wires stripped + tinned					
		05: Customised with other connectors					
Z	* *	* *	A *	P	* *	* *	* * * *
11 (12-pole)		M: Female		DW: PVC cable 12x0,14mm <sup>2</sup>		Cable length in mm	
13 (15-pole)		G: Male		BV: PVC cable 15x0,14mm <sup>2</sup>			

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	11,0mm (Z1211A) / 13,0mm (Z1513A)
Fitting Length:	53,0mm (Z1211A) / 72,0mm (Z1513A)
Wire Specification:	0,14mm <sup>2</sup>



# CONNECTOR







## BATTERY CONNECTORS



PUSH-ON 2P-5P

38 - 41



PUSH-ON 6P-12P

42 - 46



PUSH-ON FLEXIBLE 6P

47 - 48



SELF- & MANUAL LOCKING 5P & 8P

49 - 52



SELF-LOCKING 8P, BUTTON RELEASE

53



SCREW LOCKING 5P & 6P

54 - 55

A&C'S  
CHOICE



SCAN ME

For a complete  
overview of battery  
connectors

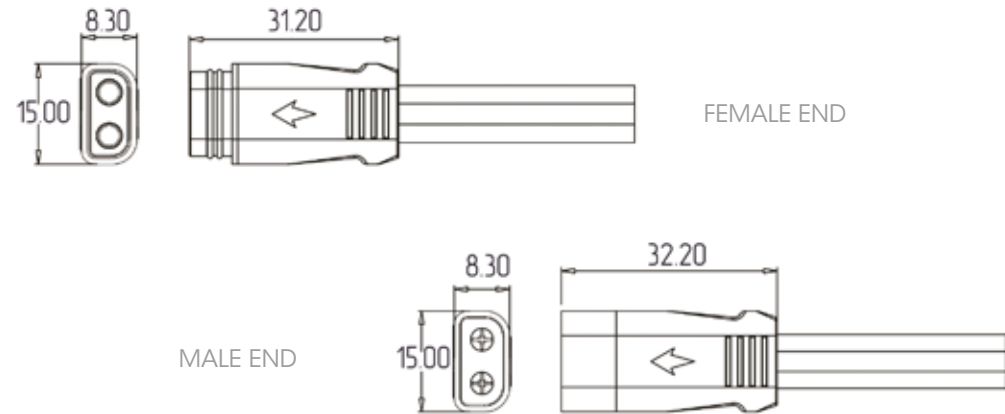
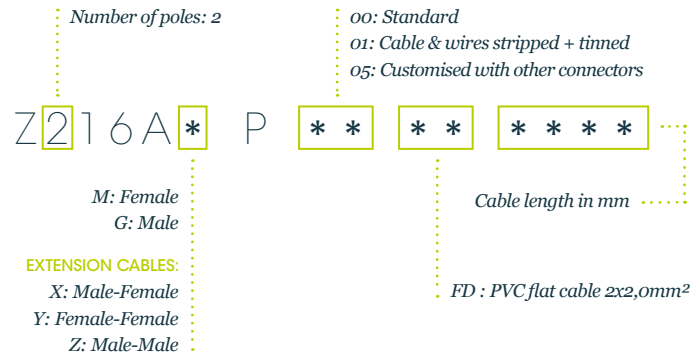


# BATTERY CONNECTORS

PUSH-ON



## ARTICLE NUMBER BUILD-UP:



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	25A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	15,0mm x 8,30mm
Fitting Length:	51,0mm
Wire Specification:	2,0mm <sup>2</sup>



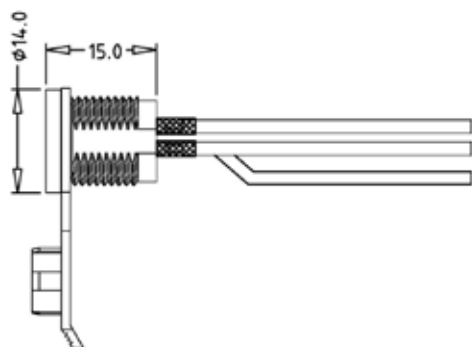
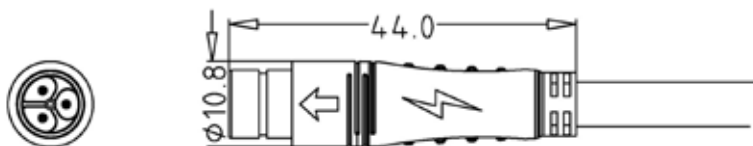
# HIGO





# BATTERY CONNECTORS **PUSH-ON**

MALE PLUG



FEMALE PANEL MOUNT



## ARTICLE NUMBER BUILD-UP:

Number of poles: 3,4	00: Standard 03: with solder cup contacts with wires 05: Customised with other connectors
Z * 1 1 A *	* * * *
M: Female G: Male	P: Plug C: Panel Mount
Extension cables: Z: Male-Male (plug)	Cable length in mm
	FJ: PVC Cable, OD5,60mm, 3x0,5mm <sup>2</sup> FK: PVC Single wire, UL1007, 3x0,5mm <sup>2</sup> FE: PVC Cable, OD5,5mm, 2x1,0mm <sup>2</sup> + 2x0,14mm <sup>2</sup> , UL2517 E6: PVC Single wires, 2x18AWG (UL1095) + 2x26AWG (UL1061)

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	5A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP66
Mating Cycles:	3000 times
Outside Diameter:	10,8mm (P) / 14,0mm (C)
Wire Specification:	0,5mm <sup>2</sup>

# CONNECTOR



# BATTERY CONNECTORS **PUSH-ON**



## ARTICLE NUMBER BUILD-UP:

Number of poles:  
4 (2+2)

00: Standard  
01: Cable & wires stripped + tinned  
05: Customised with other connectors

Z409E \* \* \* \* \*

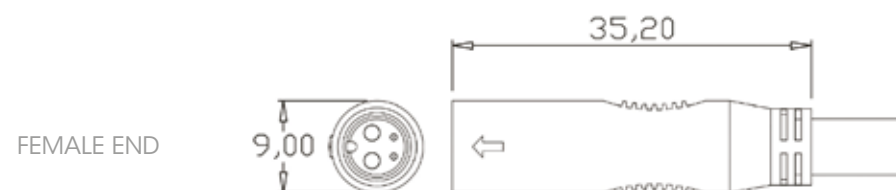
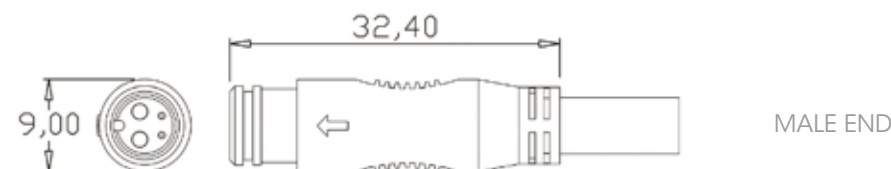
M: Female  
G: Male

EXTENSION CABLES:  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

Cable length in mm

FE : PVC cable  
2 x 1,0mm<sup>2</sup> + 2x0,14mm<sup>2</sup>  
D5 : TPU cable  
2 x 1,0mm<sup>2</sup> + 2x0,14mm<sup>2</sup>

P: Plug  
R: Rear Panel Mount



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	15A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	9,0mm
Fitting Length:	61,0mm
Wire Specification:	2 x 1,0mm <sup>2</sup> + 2 x 0,14mm <sup>2</sup>

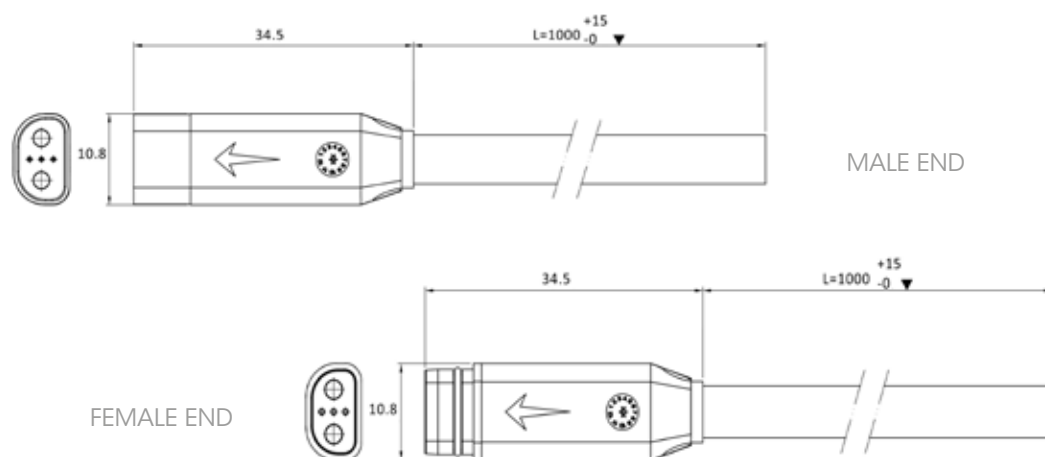


# HIGO





# BATTERY CONNECTORS **PUSH-ON**



## ARTICLE NUMBER BUILD-UP:

Number of poles:  
5 (2+3)

00: Standard  
01: Cable&wires stripped+tinned  
05: Customised with other connectors

Z 5 1 1 B \* P \* \* FT \* \* \* \*

M: Female  
G: Male

EXTENSION CABLES:  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

Cable length in mm

FT: PVC cable 2x2,0mm<sup>2</sup>+3x0,14mm<sup>2</sup>



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	20A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	10,8mm
Fitting Length:	63,0mm
Wire Specification:	2 x 2,0mm <sup>2</sup> + 3 x 0,14mm <sup>2</sup>

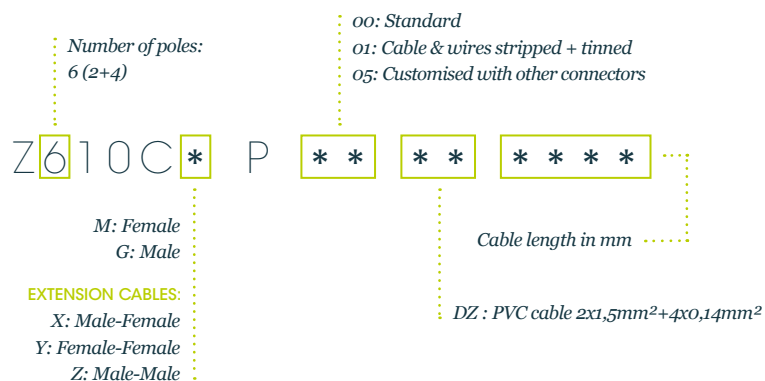
# CONNECTOR



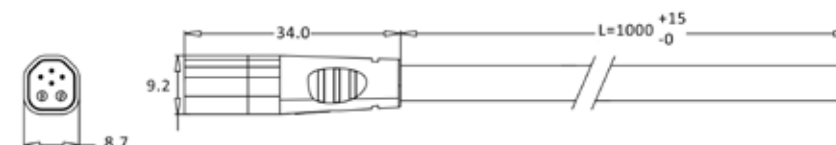
# BATTERY CONNECTORS **PUSH-ON**



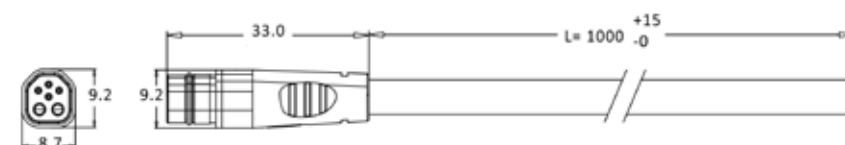
## ARTICLE NUMBER BUILD-UP:



MALE END



FEMALE END



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	15A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	8,70mm x 9,20mm
Fitting length:	59,0mm
Wire Specification:	2 x 1,5mm <sup>2</sup> + 4 x 0,14mm <sup>2</sup>

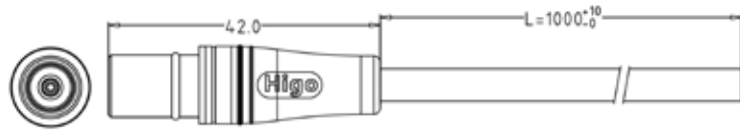


# HIGO

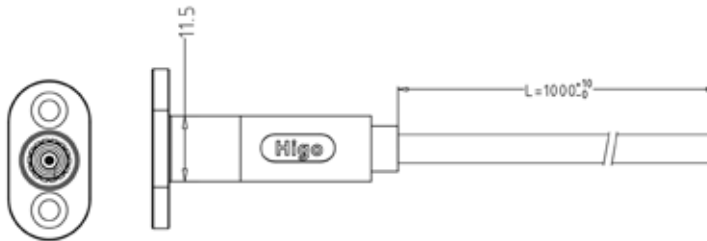


NEW

# BATTERY CONNECTORS **PUSH-ON**



MALE END



FEMALE END



## ARTICLE NUMBER BUILD-UP:

Number of poles: 2

00: Standard  
01: Cable & wires stripped + tinned  
05: Customised with other connectors

Z 2 1 2 A \* P \* \* \* \* \*

M: Female  
G: Male

EXTENSION CABLES:  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

Cable length in mm

BW: PVC cable 2x18AWG

## CHARACTERISTICS

Temperature Range: -25°C up to +80°C

Rated Voltage: 48V AC / 60V DC

Rated Current: 8A

Contact Resistance:  $\leq 10\text{m}\Omega$

Insulation Resistance:  $\geq 20\text{M}\Omega$

Protection Level: IP67

Mating Cycles: 3000 times

Outside diameter: 11,5mm

# CONNECTOR



# BATTERY CONNECTORS PUSH-ON, 36V



## ARTICLE NUMBER BUILD-UP:

(Coding only for 36v applications)

**Number of poles:**  
6 (2+4)

**00: Standard**  
01: Cable & wires stripped + tinned  
03: with solder cup contacts with wires  
05: Customised with other connectors

**Article Number:** Z624C\*

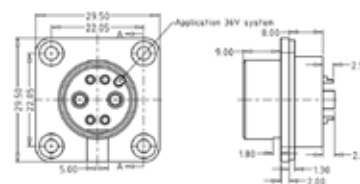
**M: Female**  
**G: Male**

**EXTENSION CABLES:**  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

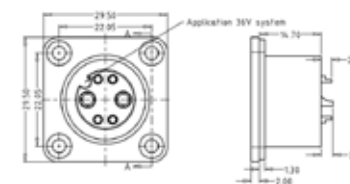
**P: Plug**  
**C: Panel Mount**

**Cable length in mm**

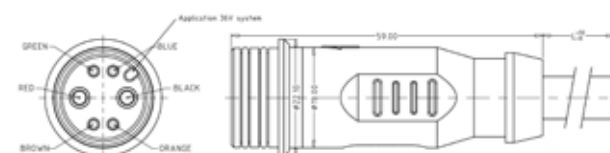
**DR: PVC single wires 2x4,0mm<sup>2</sup> + 4x0,2mm<sup>2</sup>**  
D1: PVC single wires 2xAWG14 + 4xAWG22  
B6: PVC single wires 2xAWG16 + 4xAWG22  
D9: PVC single wires 2xAWG18 + 4xAWG22  
FH: TPU cable 2x2,0mm<sup>2</sup> + 4x0,34mm<sup>2</sup>



MALE PANEL MOUNT



FEMALE PANEL MOUNT



MALE PLUG

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	40A / 5A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Outside Diameter:	19,0mm (P) / 29,5mm (C)



# HIGO





- Number of poles:
- $6(2+4)$

- 00: Standard
- 01: Cable & wires stripped + tinned
- 03: with solder cup contacts with wires
- 05: Customised with other connectors

Z624B\*

*M: Female*  
*G: Male*

### EXTENSION CABLES:

*X: Male-Female*

*Y: Female-Female*

*Z: Male-Male*

- *P: Plug*
- *C: Panel Mount*
- *A: Angled Plug*

Cable length in mm

- D1: PVC single wires 2xAWG14 + 4xAWG22
- B6: PVC single wires 2xAWG16 + 4xAWG22
- D9: PVC single wires 2xAWG18 + 4xAWG22
- FH: TPU cable 2x2,0mm<sup>2</sup> + 4x0,34mm<sup>2</sup>
- DR: PVC single wires 2x4,0mm<sup>2</sup> + 4x0,2mm<sup>2</sup>

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	40A / 5A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Outside Diameter:	21,2mm (P) / 28,5mm (C)

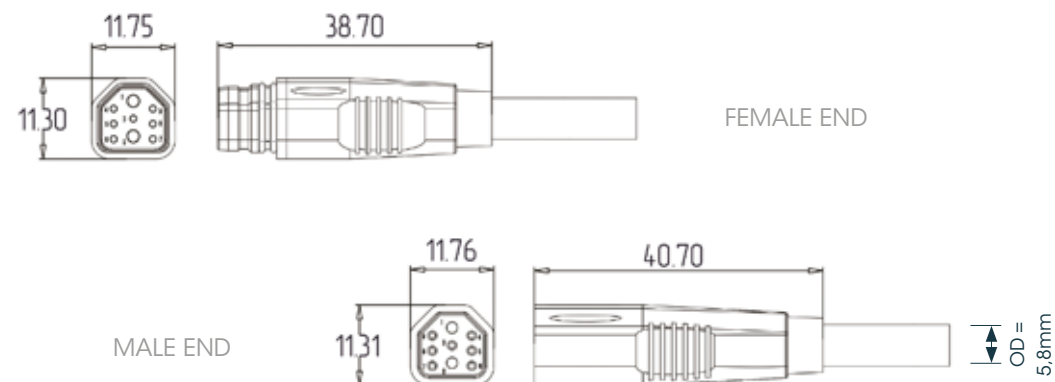
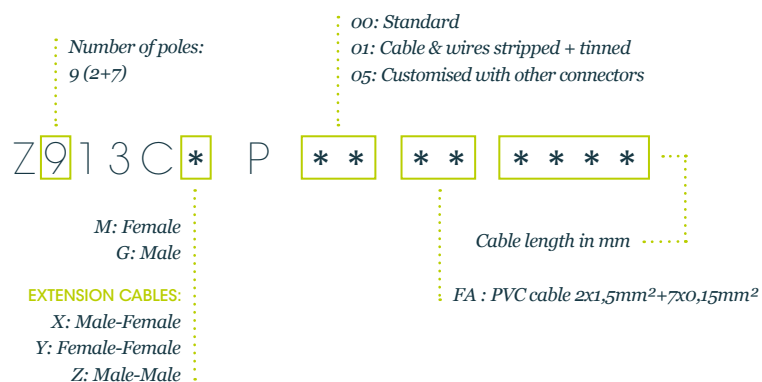
# CONNECTOR



# BATTERY CONNECTORS **PUSH-ON**



## ARTICLE NUMBER BUILD-UP:



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	15A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside diameter:	11,31mm x 11,76mm
Fitting length:	71,0mm
Wire Specification:	2 x 1,5mm <sup>2</sup> + 7 x 0,15mm <sup>2</sup>

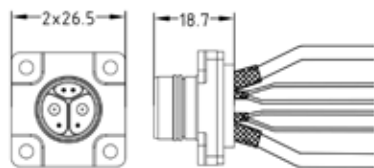


# HIGO

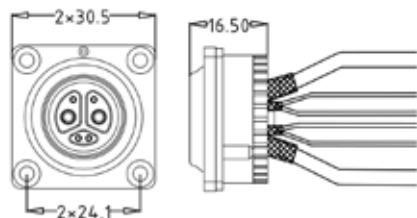




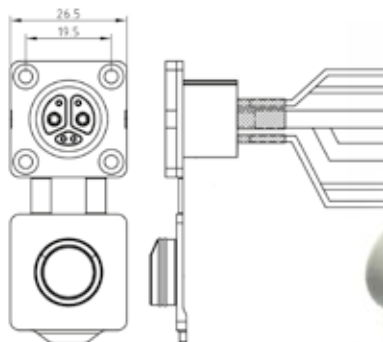
# BATTERY CONNECTORS **PUSH-ON FLEXIBLE**



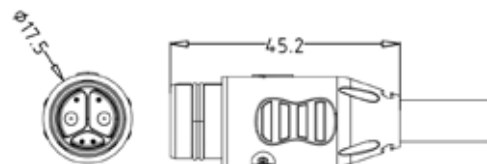
MALE PANEL MOUNT FLEXIBLE



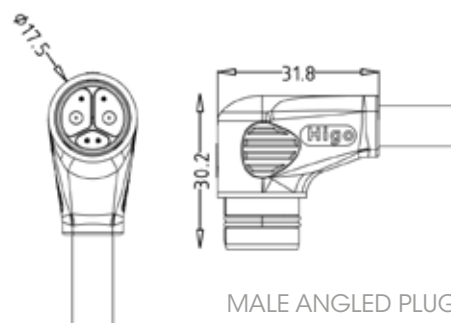
FEMALE PANEL MOUNT FLEXIBLE



FEMALE PANEL MOUNT NON-FLEXIBLE



MALE PLUG



MALE ANGLED PLUG



## ARTICLE NUMBER BUILD-UP:

F: Flexible  
Z: Non-flexible

Number of poles:  
6 (2+4)

00: Standard  
01: Cable & wires stripped + tinned  
03: With solder cup contacts with wires  
05: Customised with other connectors

\* 6 1 8 A \*

M: Female  
G: Male

### EXTENSION CABLES:

X: Male-Female  
Y: Female-Female  
Z: Male-Male

\* \* \* \*  
P: Plug  
C: Panel Mount  
A: Angled Plug

Cable length in mm

GN: PVC cable 2x3,3mm<sup>2</sup>+4x0,20mm<sup>2</sup>  
GA: PVC single wires 2x3,3mm<sup>2</sup>+4x0,20mm<sup>2</sup>  
VM: 2xOD4,0mm, 12AWG, Silicon insulation  
4xOD1,4mm, 24AWG, PVC insulation

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	30A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Outside diameter:	18mm
Fitting length:	20 to 40mm
Wire Specification:	2 x 3,3mm <sup>2</sup> + 4 x 0,20mm <sup>2</sup>

# CONNECTOR

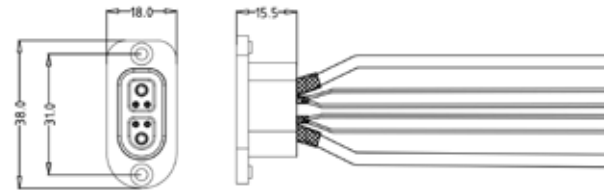
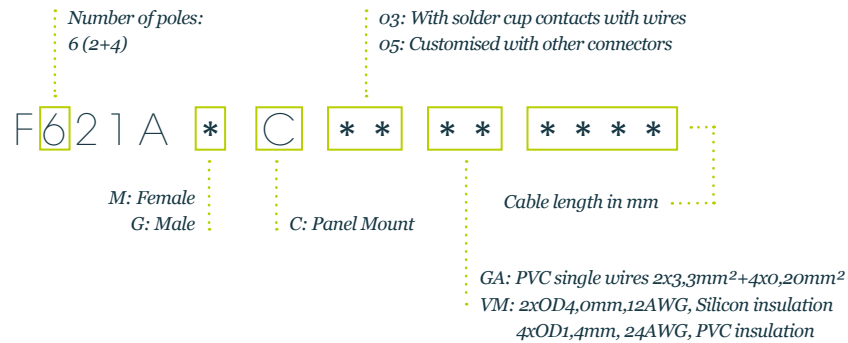


# BATTERY CONNECTORS

## PUSH-ON FLEXIBLE

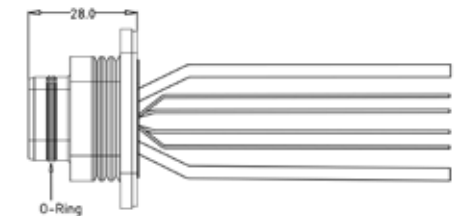


### ARTICLE NUMBER BUILD-UP:



FEMALE PANEL MOUNT

MALE PANEL MOUNT



### CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	30A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Wire Specification:	2 x 3,3mm <sup>2</sup> + 4 x 0,20mm <sup>2</sup>

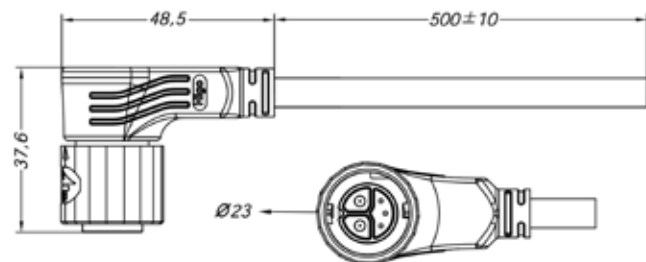


# HIGO



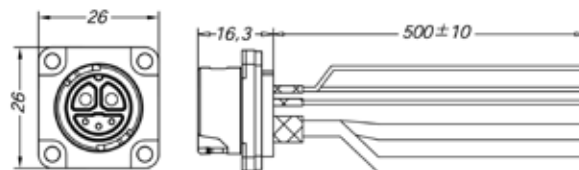


# BATTERY CONNECTORS SELF-LOCKING



MALE ANGLED PLUG

FEMALE PANEL MOUNT



## ARTICLE NUMBER BUILD-UP:

Number of poles:  
5 (2+3)

00: Standard  
01: Cable & wires stripped + tinned  
03: With solder cup contacts with wires  
05: Customised with other connectors

S526A \* \* \* \* \*

M: Female  
G: Male

A: Angled Plug  
C: Panel Mount

Cable length in mm

B0: PVC cable 2x2,0mm<sup>2</sup>+3x0,20mm<sup>2</sup>  
B9: PVC single wires 2x2,0mm<sup>2</sup>+3x0,20mm<sup>2</sup>

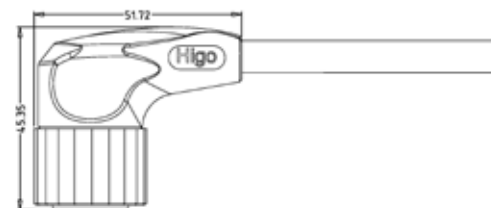
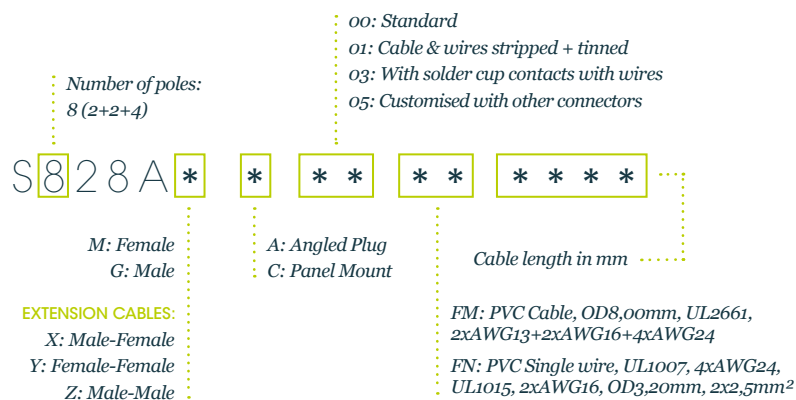
## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	25A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Outside diameter:	26mm
Fitting length:	40mm
Wire Specification:	2 x 2,0mm <sup>2</sup> + 3 x 0,20mm <sup>2</sup>

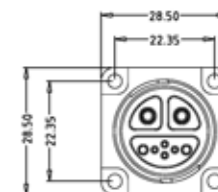
# CONNECTOR



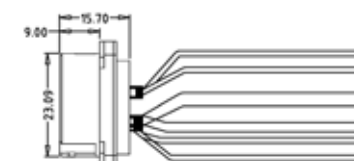
### ARTICLE NUMBER BUILD-UP:



MALE ANGLED PLUG



FEMALE PANEL MOUNT



### CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	25A / 12A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Outside diameter:	28,05mm (P) / 23,09mm (C)
Wire Specifications:	2,5mm <sup>2</sup> / 1,5mm <sup>2</sup> / 0,8mm <sup>2</sup>



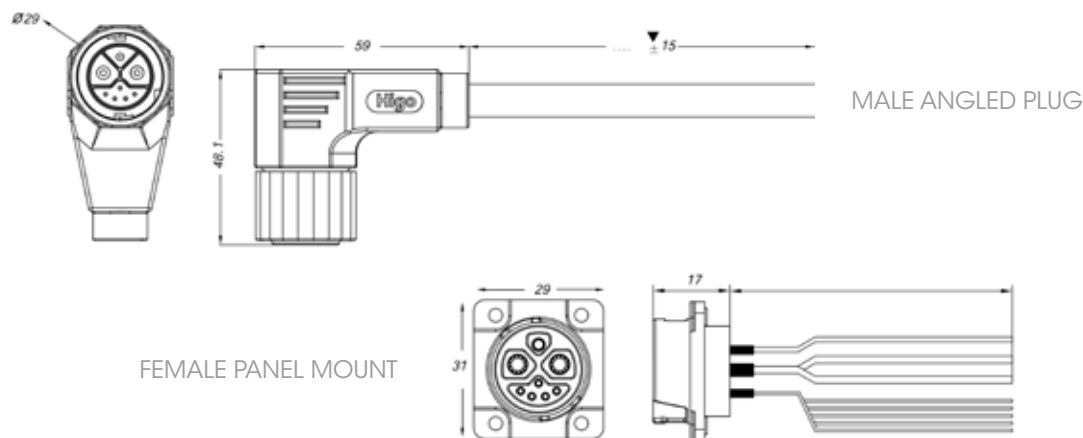
# HIGO





# BATTERY CONNECTORS

CHARGING & DISCHARGING IN 1, SELF-LOCKING



## ARTICLE NUMBER BUILD-UP:

Number of poles: 8 (2+1+5)		00: Standard 01: Cable & wires stripped + tinned 03: With solder cup contacts with wires 05: Customised with other connectors		Cable length in mm											
S	8	2	8	B	*	*	*	*	*	*	*	*	*	*	*
M: Female G: Male		A: Angled Plug C: Panel Mount		CD: PVC cable, OD10,0mm 2*10AWG+1*18AWG+5*22AWG, UL20167 GX: PVC single wires, 2*10AWG+1*18AWG+5*22AWG GM: PVC single wires, 2*11AWG+1*18AWG+5*24AWG											



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	50A / 15A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Outside diameter:	28mm
Fitting length:	50mm
Wire Specification:	2*10AWG+1*18AWG+5*22AWG

# CONNECTOR

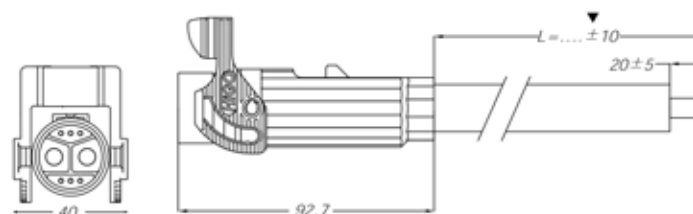
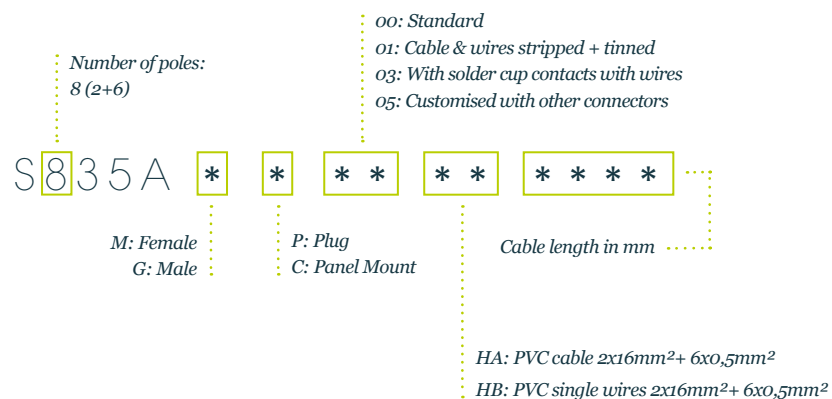


# BATTERY CONNECTORS

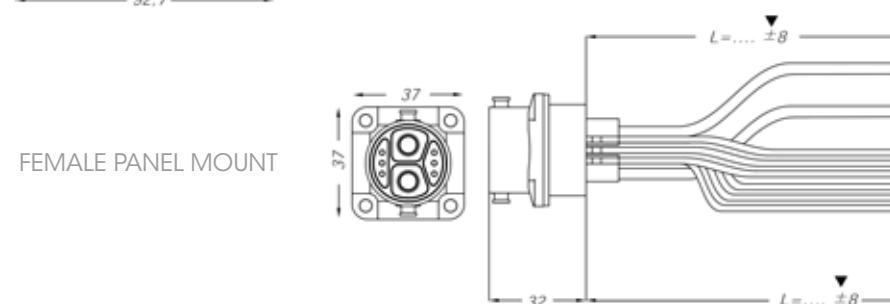
## MANUAL LOCKING



### ARTICLE NUMBER BUILD-UP:



MALE PLUG



FEMALE PANEL MOUNT

### CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	100A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Outside diameter:	28mm
Fitting length:	97mm
Wire Specification:	2 x 16,0mm <sup>2</sup> + 6 x 0,5mm <sup>2</sup>

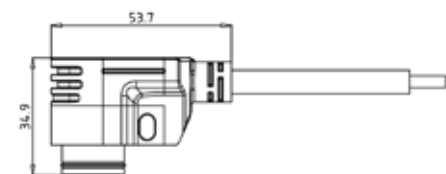


# HIGO

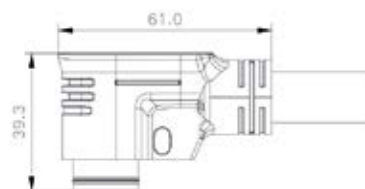
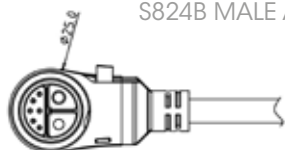




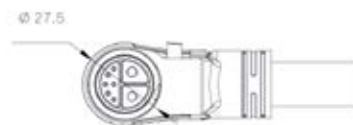
# BATTERY CONNECTORS SELF-LOCKING, BUTTON RELEASE



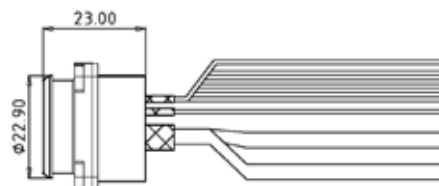
S824B MALE ANGLED PLUG



S824A MALE ANGLED PLUG



FEMALE PANEL MOUNT



## ARTICLE NUMBER BUILD-UP:

Number of poles: 8 (2+6)													00: Standard												
A: rated current = 70A / 2A													01: Cable & wires stripped + tinned												
B: rated current = 40A / 2A													03: With solder cup contacts with wires												
													05: Customised with other connectors												
S	8	2	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
M: Female G: Male													A: Angled plug C: Panel Mount												
Cable length in mm																									
EXTENSION CABLES:													A type:												
X: Male-Female													FP: PVC cable, 2x10,0mm <sup>2</sup> + 6x0,20mm <sup>2</sup>												
Y: Female-Female													FQ: PVC single wires, 2x10,0mm <sup>2</sup> + 6x0,20mm <sup>2</sup>												
Z: Male-Male													B type:												
													FR: PVC cable, 2x4,0mm <sup>2</sup> + 6x0,20mm <sup>2</sup>												
													FS: PVC single wires, 2x4,0mm <sup>2</sup> + 6x0,20mm <sup>2</sup>												

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	70A (A) or 40A (B) / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	3000 times
Outside diameter:	25,0mm <sup>2</sup> (P) / 22,9mm <sup>2</sup> (C)
Wire Specification:	6 x 0,2mm <sup>2</sup> + 2 x 10,0mm <sup>2</sup> (A) / 6 x 0,2mm <sup>2</sup> + 2 x 4,0mm <sup>2</sup> (B)

# CONNECTOR

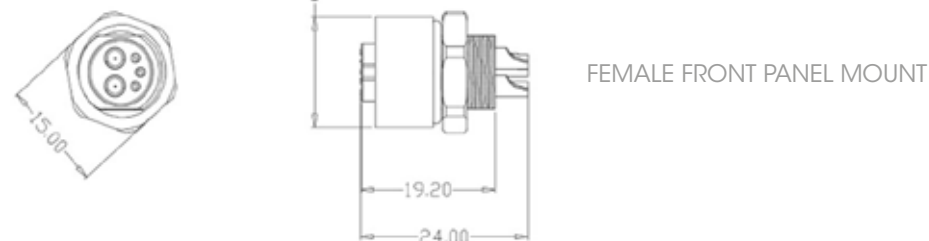
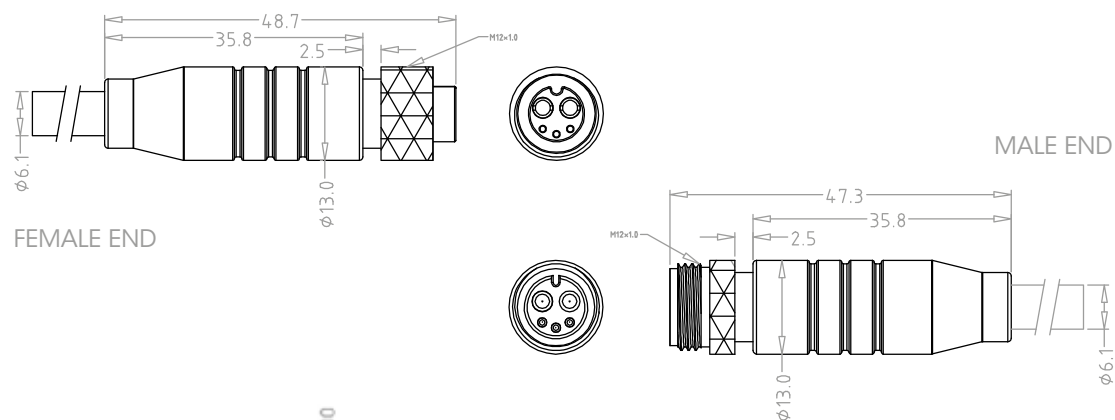
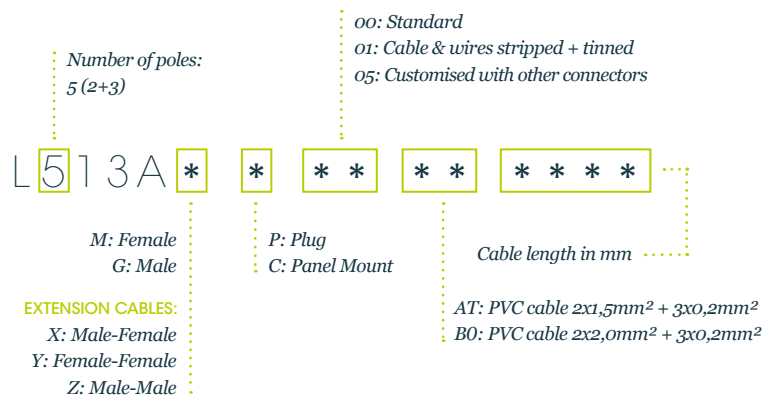


# BATTERY CONNECTORS

## SCREW-LOCKING



### ARTICLE NUMBER BUILD-UP:



### CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	25A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating cycles:	200 times
Outside Diameter:	13,0mm
Fitting length:	96,0mm
Wire Specification:	1,5mm <sup>2</sup> + 0,2mm <sup>2</sup> / 2,0mm <sup>2</sup> + 0,2mm <sup>2</sup>



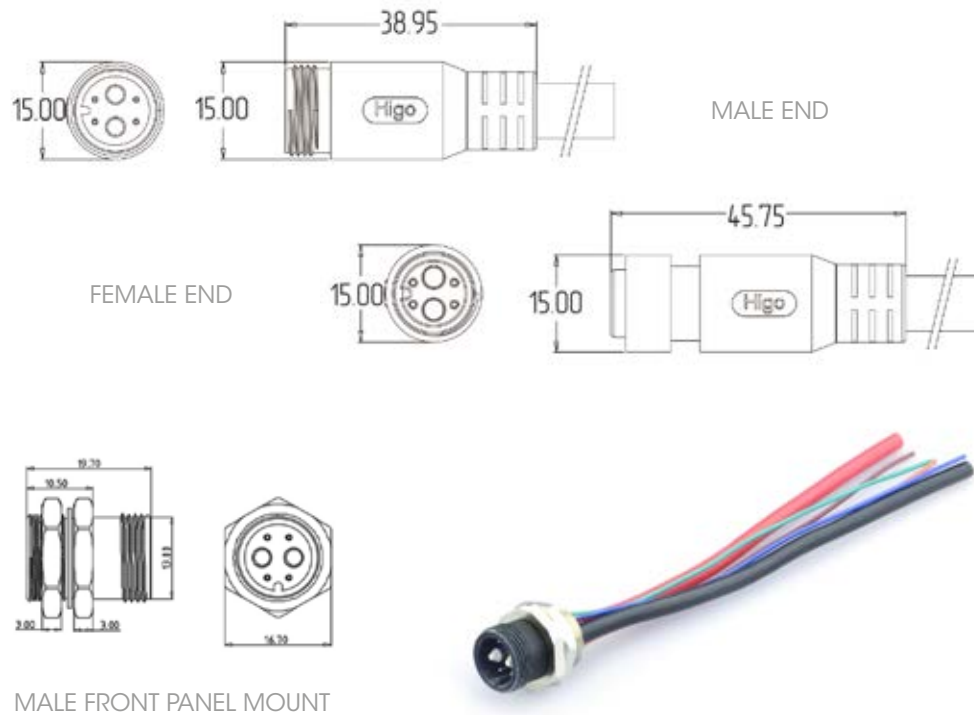
# HIGO





# BATTERY CONNECTORS

SCREW-LOCKING



## ARTICLE NUMBER BUILD-UP:

Number of poles: 6(2+4)	00: Standard 01: Cable & wires stripped + tinned 03: with solder cup contacts with wires 05: Customised with other connectors
L615A*	* * * *
M: Female G: Male	P: Plug C: Panel Mount
EXTENSION CABLES: X: Male-Female Y: Female-Female Z: Male-Male	Cable length in mm DC: PVC cable 2x4,0mm <sup>2</sup> + 4x0,2mm <sup>2</sup> DR : PVC single wires 2x4,0mm <sup>2</sup> +4x0,2mm <sup>2</sup>

## CHARACTERISTICS

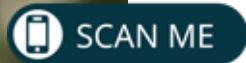
Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	40A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside diameter:	15,0mm
Fitting length:	77,5mm
Wire Specifications:	2 x 4,0mm <sup>2</sup> / 4 x 0,2mm <sup>2</sup>

# CONNECTOR









For a complete  
overview of motor  
connectors

## MOTOR CONNECTORS



PUSH-ON 3P

58



PUSH-ON 6P & 9P

59 - 61



PUSH-ON 10P & 11P

62 - 63



SCREW LOCKING 3P

64



SCREW LOCKING 10P

65 - 66



SCREW LOCKING 11P

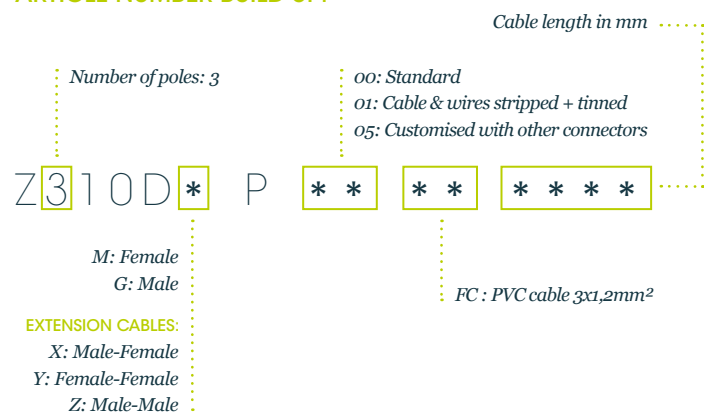
67



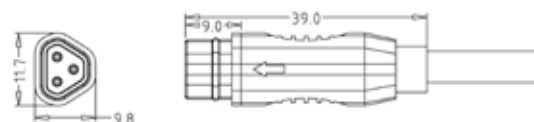
# MOTOR CONNECTORS **PUSH-ON**



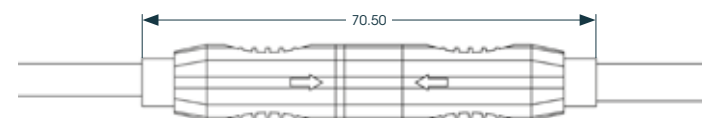
## ARTICLE NUMBER BUILD-UP:



MALE END



FEMALE END



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	15A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	11,72mm x 9,8mm
Fitting Length:	71,0mm
Wire Specification:	1,2mm <sup>2</sup>

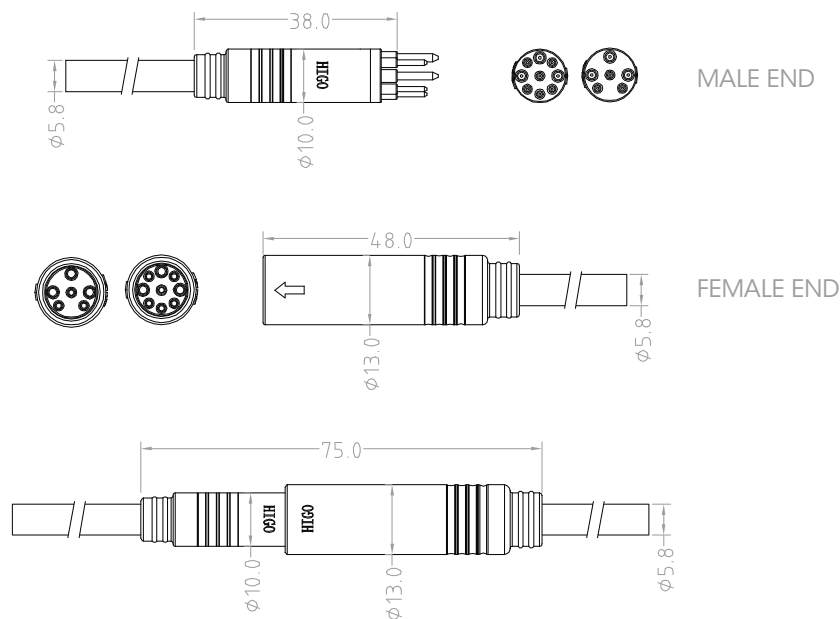


# HIGO





# MOTOR CONNECTORS **PUSH-ON**



## ARTICLE NUMBER BUILD-UP:

Number of poles:  
6 (3+3) / 9 (3+6)

Cable length in mm

oo: Standard  
01: Cable & wires stripped + tinned  
05: Customised with other connectors

Z \* 10 A \* P \* \* \* \* \*

M: Female  
G: Male

EXTENSION CABLES:  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

AC: PVC cable 3x1,2mm<sup>2</sup> + 3x0,2mm<sup>2</sup>  
AD: PVC cable 3x1,5mm<sup>2</sup> + 3x0,2mm<sup>2</sup>  
AE: PVC cable 3x1,2mm<sup>2</sup> + 6x0,2mm<sup>2</sup>  
AF: PVC cable 3x1,5mm<sup>2</sup> + 6x0,14mm<sup>2</sup>

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	15A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP66
Mating Cycles:	200 times
Outside Diameter:	13,0mm
Fitting Length:	75,0mm
Wire Specification:	1,2mm <sup>2</sup> / 1,5mm <sup>2</sup> +0,2mm <sup>2</sup>

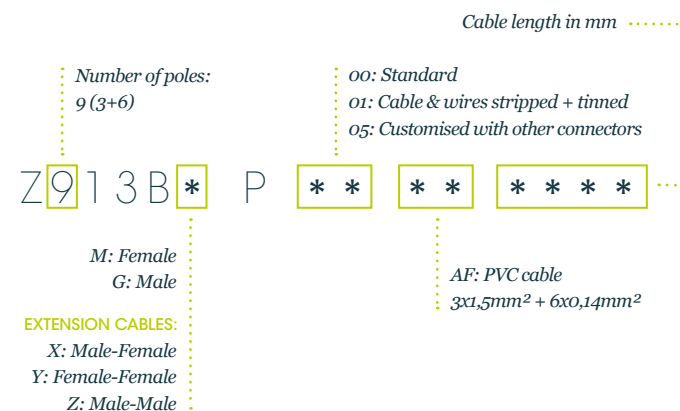
# CONNECTOR



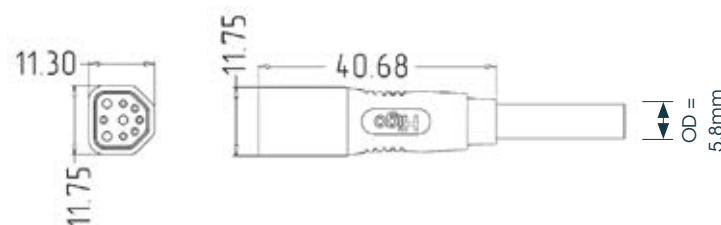
# MOTOR CONNECTORS **PUSH-ON**



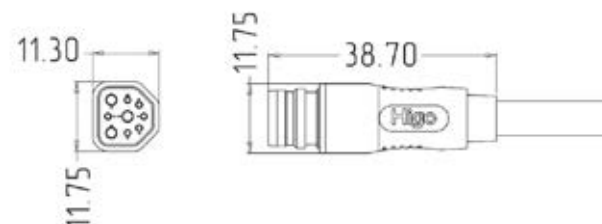
## ARTICLE NUMBER BUILD-UP:



MALE END



FEMALE END



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	15A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	11,75mm x 11,30mm
Fitting Length:	70,7mm
Wire Specification:	3 x 1,5mm <sup>2</sup> + 6 x 0,14mm <sup>2</sup> / 3 x 1,2mm <sup>2</sup> + 6 x 0,2mm <sup>2</sup>

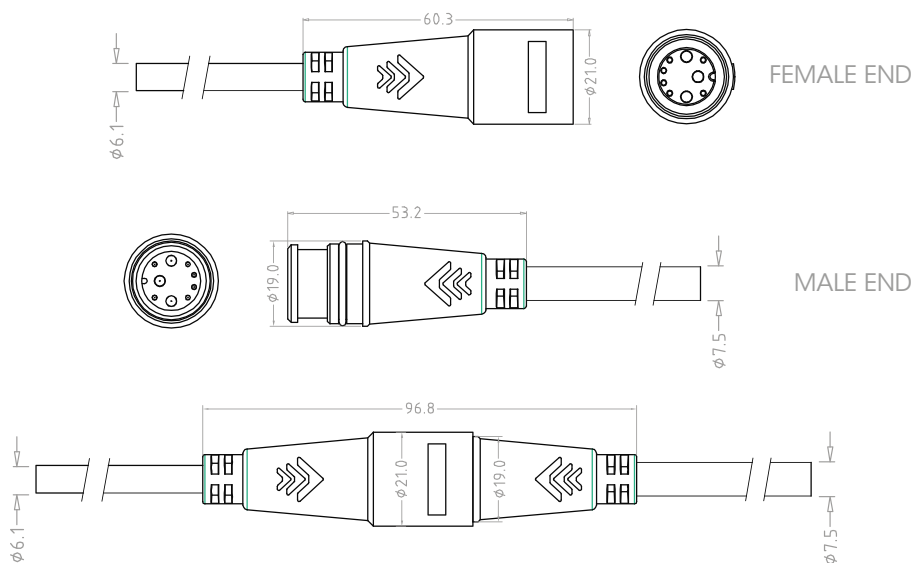


# HIGO





# MOTOR CONNECTORS **PUSH-ON**



## ARTICLE NUMBER BUILD-UP:

Number of poles:		Cable length in mm	
9 (3+6)		00: Standard	
		01: Cable & wires stripped + tinned	
		05: Customised with other connectors	
Z	919A	*	P
		M: Female	
		G: Male	
		AE: PVC cable 3x1,2mm <sup>2</sup> + 6x0,2mm <sup>2</sup>	
		AF: PVC cable 3x1,5mm <sup>2</sup> + 6x0,14mm <sup>2</sup>	
		BQ: PVC, 3x2,0mm <sup>2</sup> + 6x0,14mm <sup>2</sup>	

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	20A / 2A, 3 power pin loaded
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP66
Contact Durability:	200 times
Outside Diameter:	21,0mm
Fitting Length:	96,8mm
Wire Specification:	2,0mm <sup>2</sup> + 0,14mm <sup>2</sup>



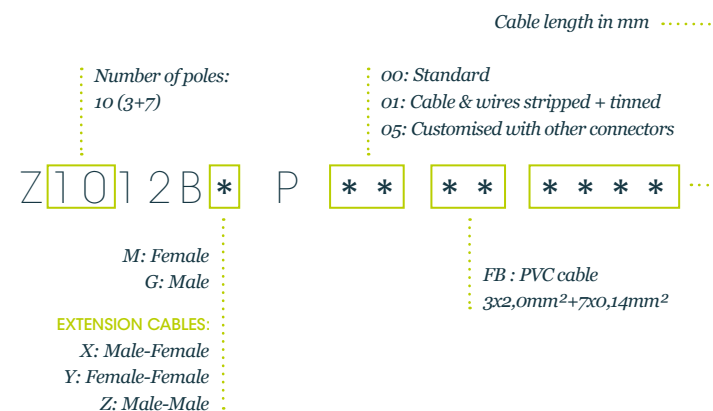
# CONNECTOR



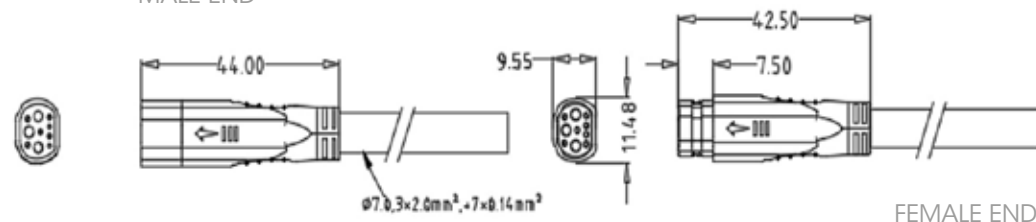
# MOTOR CONNECTORS **PUSH-ON**



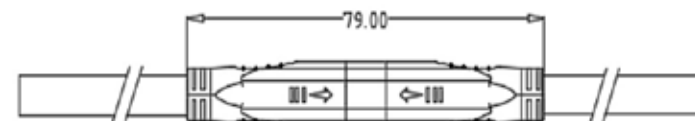
## ARTICLE NUMBER BUILD-UP:



MALE END



FEMALE END



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	20A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	11,48mm x 9,55mm
Fitting Length:	79,0mm
Wire Specification:	3 x 2,0mm <sup>2</sup> + 7 x 0,14mm <sup>2</sup> / 3 x 1,5mm <sup>2</sup> + 7 x 0,14mm <sup>2</sup>

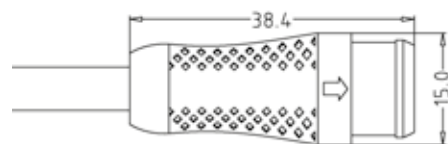


# HIGO

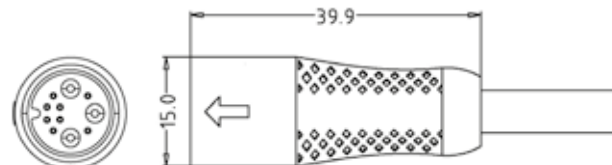




# MOTOR CONNECTORS **PUSH-ON**



MALE END



FEMALE END



## ARTICLE NUMBER BUILD-UP:

Number of poles:  
11 (3+8)

00: Standard  
01: Cable & wires stripped + tinned  
05: Customised with other connectors

Cable length in mm

Z 11 15 A \* P \* \* \* \* \*

M: Female  
G: Male

P: Plug

DU: PVC cable  
3x2,5mm<sup>2</sup> + 8x0,14mm<sup>2</sup>

EXTENSION CABLES:  
X: Male-Female  
Y: Female-Female  
Z: Male-Male

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	25A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	15,0mm
Fitting Length:	70,0mm
Wire Specification:	3 x 2,5mm <sup>2</sup> + 8 x 0,14mm <sup>2</sup>

# CONNECTOR



# MOTOR CONNECTORS SCREW LOCKING



## ARTICLE NUMBER BUILD-UP:

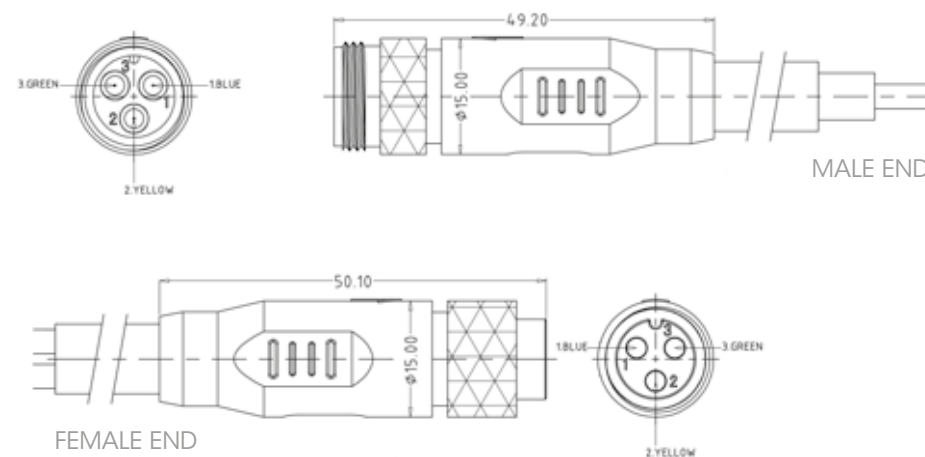
Number of poles: 3  
 00: Standard  
 01: Cable & wires stripped + tinned  
 05: Customised with other connectors

L **3** 1 5 A **\*** P **\*\*** **\*\*** **\*\*\*\*\***

M: Female  
 G: Male

EXTENSION CABLES:  
 X: Male-Female  
 Y: Female-Female  
 Z: Male-Male

B8: PVC cable 3x4,0mm<sup>2</sup>  
 Cable length in mm



## CHARACTERISTICS

Temperature Range: -25°C up to +80°C  
 Rated Voltage: 48V AC / 60V DC  
 Rated Current: 35A, 2 power pin loaded  
 28A, 3 power pin loaded  
 Contact Resistance: ≤10mΩ  
 Insulation Resistance: ≥20MΩ  
 Protection Level: IP67  
 Mating Cycles: 200 times  
 Outside Diameter: 15,0mm  
 Fitting Length: 90,0mm  
 Wire Specification: 3 x 4,0mm<sup>2</sup>



# HIGO





# MOTOR CONNECTORS

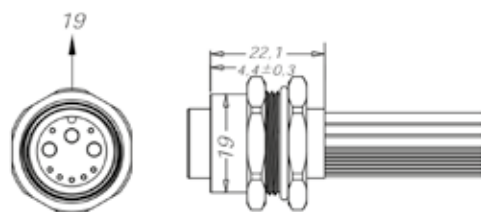
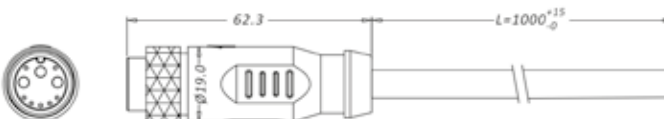
SCREW LOCKING



MALE PLUG



FEMALE PLUG



FEMALE REAR PANEL MOUNT



## ARTICLE NUMBER BUILD-UP:

Number of poles: 10 (3+7)		00: Standard	
		01: Cable & wires stripped + tinned	
		03: With solder cup contacts with wires	
		05: Customised with other connectors	
L1019A*		*	**
M: Female		AZ: PVC cable	
G: Male		3x4,0mm <sup>2</sup> + 7x0,14mm <sup>2</sup>	
EXTENSION CABLES:		DQ: Single wires,	
X: Male-Female		3x4,0mm <sup>2</sup> +7x0,20mm <sup>2</sup>	
Y: Female-Female		P: Plug	
Z: Male-Male		R: Rear panel mount	
		Cable length in mm	

## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	30A / 2A, 3 power pin loaded
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	19,0mm
Fitting Length:	114,0mm
Wire Specification:	3 x 4,0mm <sup>2</sup> + 7 x 0,14mm <sup>2</sup>

# CONNECTOR



# MOTOR CONNECTORS

## SCREW LOCKING

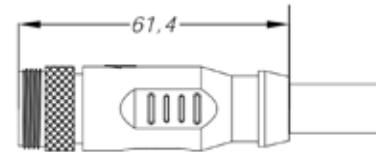


### ARTICLE NUMBER BUILD-UP:

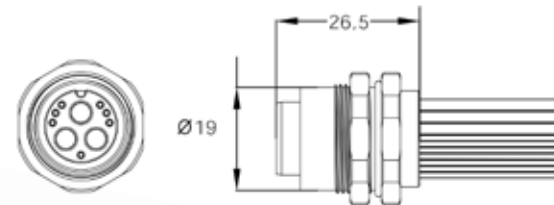
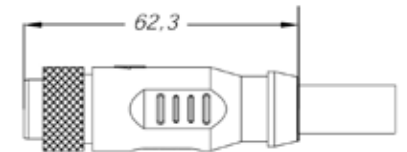
Number of poles: 10 (3+7)		00: Standard 01: Cable & wires stripped + tinned 03: With solder cup contacts with wires 05: Customised with other connectors	
L	1019D	*	*
M: Female G: Male		BX: PVC cable 3x10AWG+7x26AWG BY: PVC single wires, 3x10AWG+7x26AWG	
EXTENSION CABLES: X: Male-Female Y: Female-Female Z: Male-Male		Cable length in mm	
		P: Plug R: Rear panel mount	



MALE PLUG



FEMALE PLUG



FEMALE REAR PANEL MOUNT

### CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	45A / 2A, 2 power pin loaded 40A / 2A, 3 power pin loaded
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	19,0mm
Fitting Length:	114,0mm
Wire Specification:	3 x 10AWG + 7 x 26AWG

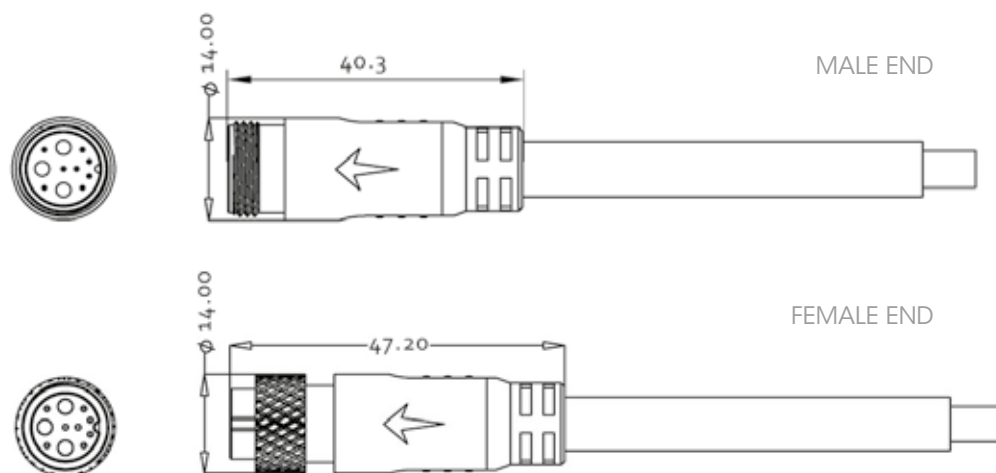


# HIGO





# MOTOR CONNECTORS SCREW LOCKING



## ARTICLE NUMBER BUILD-UP:

Number of poles: 11 (3+8)	oo: Standard o1: Cable & wires stripped + tinned o5: Customised with other connectors
L1114A*	P**
M: Female G: Male	FF: PVC cable 3x2,0mm <sup>2</sup> +8x0,14mm <sup>2</sup>
EXTENSION CABLES: X: Male-Female Y: Female-Female Z: Male-Male	Cable length in mm



## CHARACTERISTICS

Temperature Range:	-25°C up to +80°C
Rated Voltage:	48V AC / 60V DC
Rated Current:	20A / 2A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥20MΩ
Protection Level:	IP67
Mating Cycles:	200 times
Outside Diameter:	14,0mm
Fitting Length:	80,0mm
Wire Specification:	2,0mm <sup>2</sup> / 0,14mm <sup>2</sup>

# CONNECTOR



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