



Y-NEWT

CONNECTOR SERIES



**HEAVY DUTY &
COMMERCIAL VEHICLES**
CUSTOMIZED SOLUTIONS

INTRODUCTION YAZAKI

Since its foundation in 1929, YAZAKI has been owned and governed by the Yazaki family. It is the world's largest producer of wiring harnesses and operates in 46 countries all over the world.

YAZAKI is a full service supplier, that can provide complete Electrical and Electronic Distribution and Display Systems (EEDDS) solutions, supporting the OEM from initial concepts through design and development, global mass production all the way up to after sales-service parts.

With the term EEDDS, YAZAKI combines all key technologies to offer its customers modern and customized solutions in the areas of wiring systems, components, electronics, instrumentation and high voltage. From the beginning of the concept phase, YAZAKI'S experienced development teams consider the complex interaction between electrics and electronics, analyzing the respective customer requirements for productions, assembly and logistics during vehicle production, with the constant aim of giving our customers maximum competitive advantage.

This ability combined with decades of experience in power distribution, information distribution and production technology enables YAZAKI to turn even highly innovative approaches into technologically advanced products.



By using state-of-the-art technology,
YAZAKI connects its customers with
the future – **worldwide.**

Y-NEWT CONNECTOR SERIES

Waterproof inliner and device
connectors for harsh environments

Introduction YAZAKI Component Business Unit

YAZAKI delivers components to OEMs worldwide, meeting even the highest customer requirements. Our connectors are suitable for vehicles of nearly every specification and improve overall system integrity, while providing a wide range of flexible connection systems – optimized for weight, size and performance, with advantages that include enhanced reliability, built-in scalability and reduced development cycles at a competitive price.

- ▶ Terminals & Connectors
- ▶ Data Connectivity
- ▶ Wire
- ▶ Header/Sensor Housings
- ▶ High Voltage Components
- ▶ Power Distribution Units
- ▶ Customized EDS Solutions

Introduction Y-NEWT Connector Series

To address this market, YAZAKI has developed the Y-NEWT Connector Series, which is designed as Inline connection and as Device connection.

The series offers high flexibility by being compatible with standardized heavy duty connectors, connector covers and terminals available nowadays on the market.

The design is based on a modular concept, which allows further variants, e.g. data connectivity products or modules to be incorporated within the inner block in each connector.

Yazaki

e**N**hanced

Endurance

Waterproof

Truck

Vision Mission Strategy

Vision

We seek to develop fit for purpose components for connection systems that meet the requirements of a long lifecycle and the harsh environment conditions of commercial vehicles.

Mission

We identify new technologies and investigate product portfolio opportunities to meet current and future customer demands.

Strategy

We do this by developing a robust connection system that:

- ▶ withstands harsh environmental conditions
- ▶ is usable in dry and wet areas
- ▶ is flammability resistant
- ▶ supports and facilitates the maintenance of the wire harness in the field
- ▶ ensures fast and simple assembly

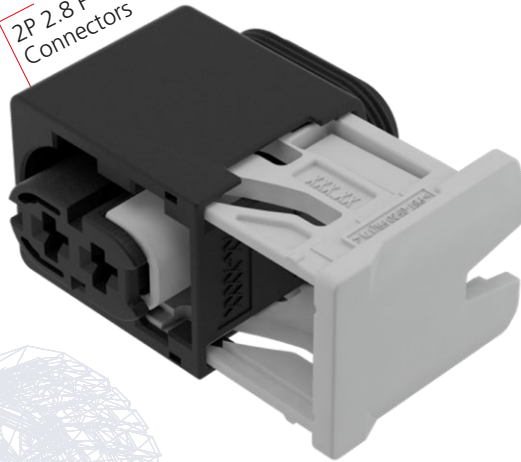
Y-NEWT



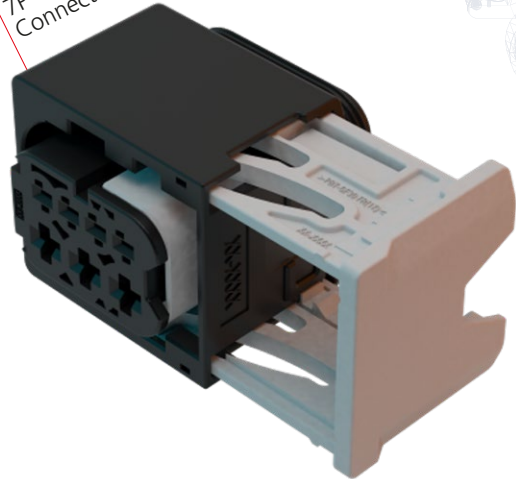
Y-NEWT CONNECTOR SERIES

Waterproof inliner and device
connectors for harsh environments

2P 2.8 F
Connectors



7P 1.5/2.8 F
Connectors



Highlights

- ▶ Robust design with increased mating durability due to:
 - Lower mating force
 - Increased slider durability
 - Operator friendly slider
- ▶ PBT GF, Flammability class UL94-V0
- ▶ Sealing Class IPX9K
- ▶ Increased mechanical stability of the subcomponents in high temperature and humidity combined environments
- ▶ Hybrid and non-hybrid versions up to 18 positions and up to 4 mechanical codes
- ▶ Lance terminals system based

Technical Data

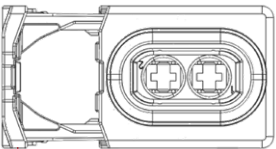
Pin Count	2 – 8 (18)
Temperature Range	-40°C to 140°C
Vibration Class	SG4 (LV214), V4 (MAN), Class 10 (GTT) – up to 30g (sinus) and 20g (random)
Applied Terminal	YMT 1.5 / MCP 1.5, YMT 2.8 / MCP 2.8, MCP 6.3
Mating Force	max. 75N
Material	PBT GF

Y-NEWT CONNECTOR SERIES GROUP A

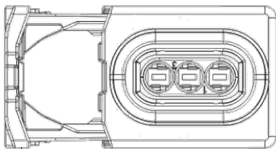
Waterproof inliner and device
connectors for harsh environments

Technical Data

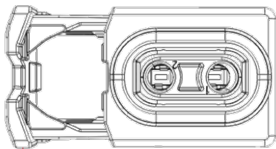
No. of positions	Gender	Secondary locking	Terminal Size [mm]	Inner Housing Color	Codes	Part numbers
2P	Female	Slider	2.8	Black	A	7298-3778-30
				Grey	B	7298-3779-40
				Green	C	7298-3780-60
				Blue	D	7298-3781-90
3P	Female	Slider	1.5	Black	A	7298-3771-30
				Grey	B	7298-3772-40
				Green	C	7298-3773-60
				Blue	D	7298-3770-90
2P (3pol + center cavity closed)	Female	Slider	1.5	Black	A	7298-3774-30
				Grey	B	7298-3775-40
				Green	C	7298-3776-60
				Blue	D	7298-3777-90



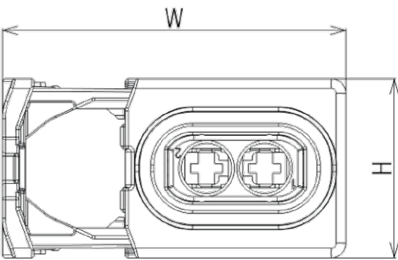
Version: 2P – 2,8



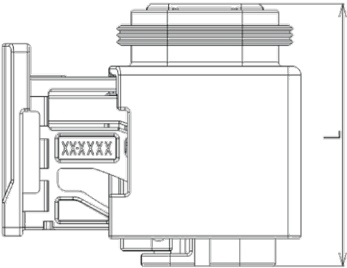
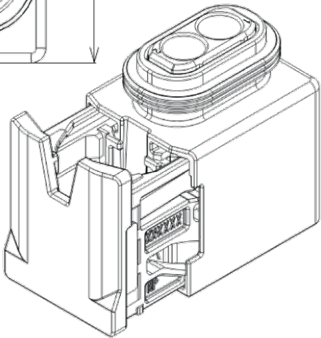
Version: 3P – 1,5



Version: 2P – 1,5
(center cav. closed)



W x H x L:
35,50 x 18,50 x 31,25

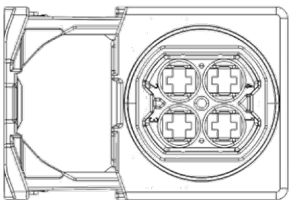


Y-NEWT CONNECTOR SERIES GROUP B

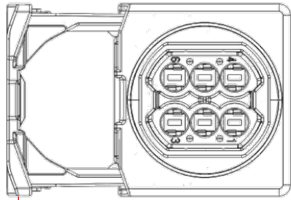
Waterproof inliner and device
connectors for harsh environments

Technical Data

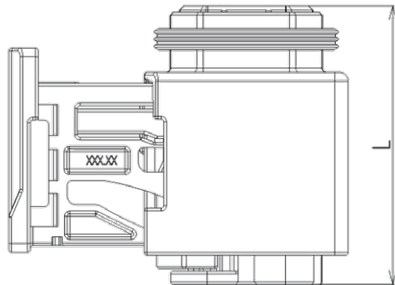
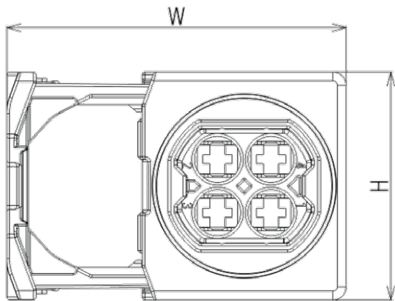
No. of positions	Gender	Secondary locking	Terminal Size [mm]	Inner Housing Color	Codes	Part numbers
4P	Female	Slider	2.8	Black	A	7298-1794-30
				Grey	B	7298-1795-40
				Green	C	7298-1796-60
				Blue	D	7298-1797-90
6P	Female	Slider	1.5	Black	A	7298-1798-30
				Grey	B	7298-1799-40
				Green	C	7298-1800-60
				Blue	D	7298-1801-90



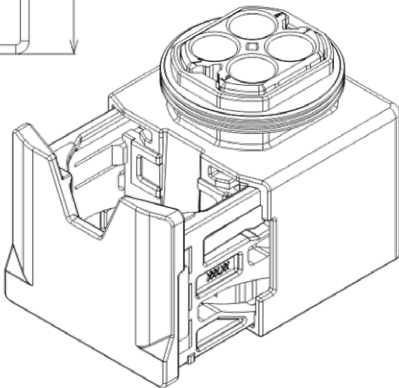
Version: 4P – 2,8



Version: 6P – 1,5



W x H x L:
38,50 x 25,60 x 31,25

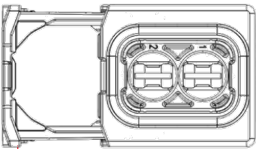


Y-NEWT CONNECTOR SERIES GROUP C

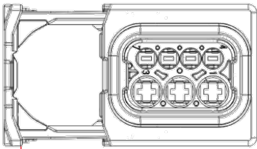
Waterproof inliner and device
connectors for harsh environments

Technical Data

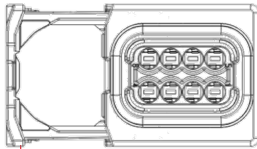
No. of positions	Gender	Secondary locking	Terminal Size [mm]	Inner Housing Color	Codes	Part numbers
2P	Female	Slider	6.3	Black	A	7298-3762-30
				Grey	B	7298-3764-40
				Green	C	7298-3763-60
				Blue	D	7298-3765-90
6P	Female	Slider	2.8	Black	A	tbd
				Grey	B	tbd
				Green	C	tbd
				Blue	D	tbd
7P	Female	Slider	1.5 + 2.8	Black	A	7298-3782-30
				Grey	B	7298-3783-40
				Green	C	7298-3784-60
				Blue	D	7298-3785-90
8P	Female	Slider	1.5	Black	A	7298-3766-30
				Grey	B	7298-3768-40
				Green	C	7298-3769-60
				Blue	D	7298-3767-90



Version: 2P – 6,3

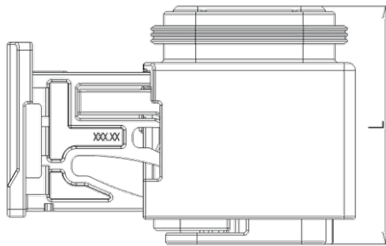
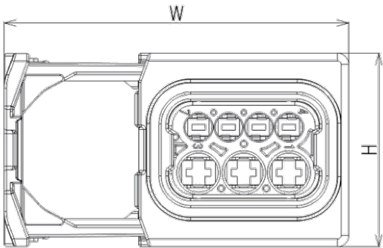
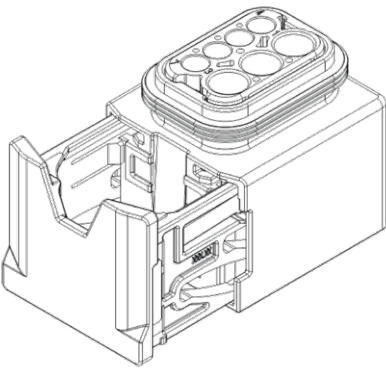


Version: 7P –
3x2,8 + 4x1,5



Version: 8P – 1,5

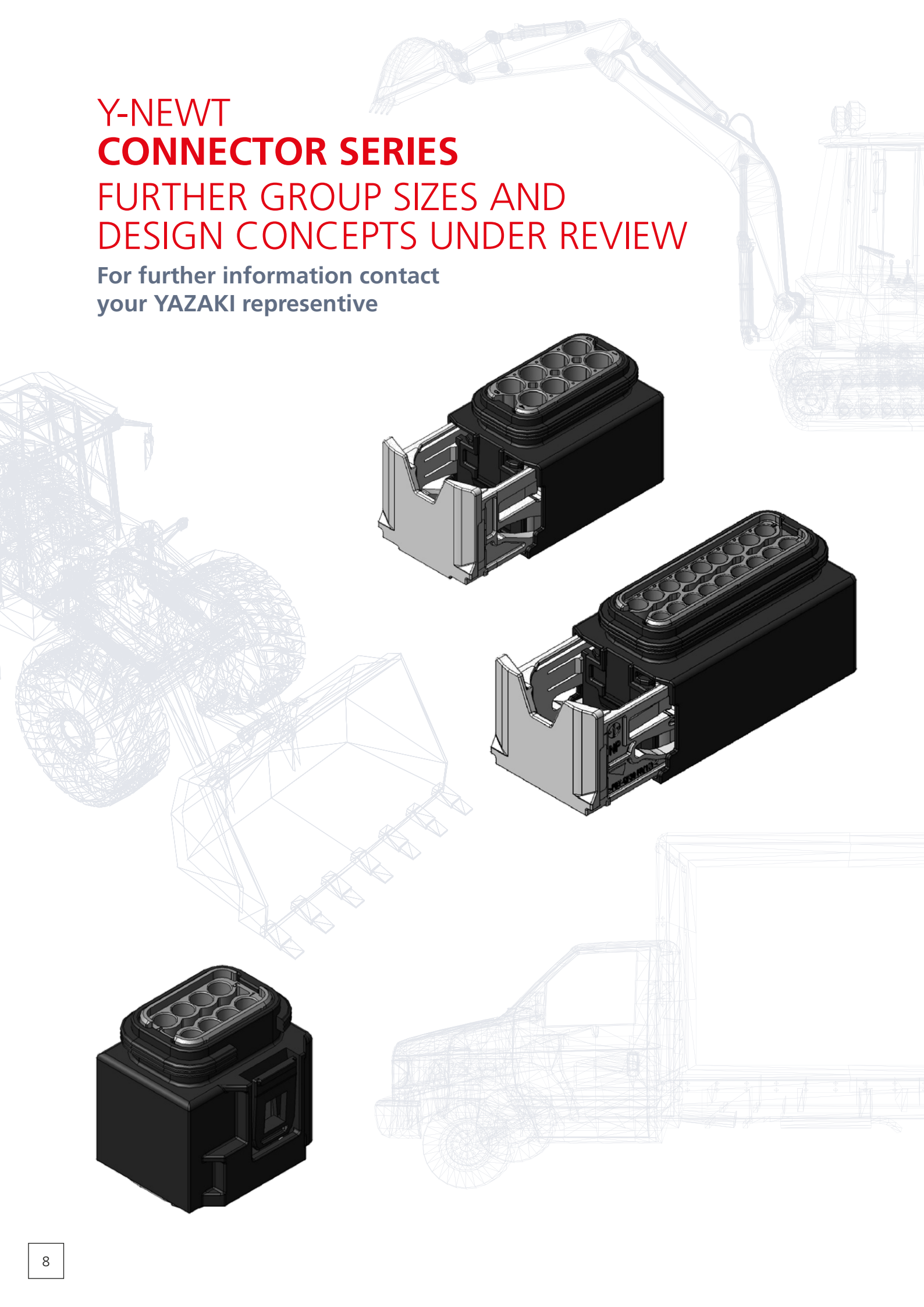
W x H x L:
45,75 x 25,60 x 31,25



Y-NEWT CONNECTOR SERIES

FURTHER GROUP SIZES AND DESIGN CONCEPTS UNDER REVIEW

For further information contact
your YAZAKI representative

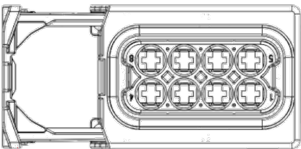


Y-NEWT CONNECTOR SERIES GROUP D

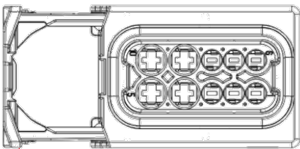
Waterproof inliner and device
connectors for harsh environments

Technical Data

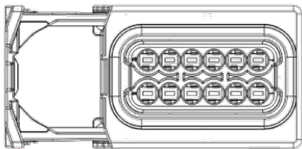
No. of positions	Gender	Secondary locking	Terminal Size [mm]	Inner Housing Color	Codes	Part numbers
8P	Female	Slider	2.8	Black	A	tbd
				Grey	B	tbd
				Green	C	tbd
				Blue	D	tbd
10P	Female	Slider	1.5 + 2.8	Black	A	tbd
				Grey	B	tbd
				Green	C	tbd
				Blue	D	tbd
12P	Female	Slider	1.5	Black	A	tbd
				Grey	B	tbd
				Green	C	tbd
				Blue	D	tbd



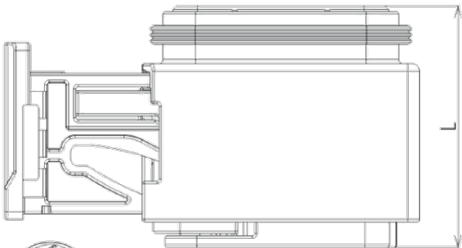
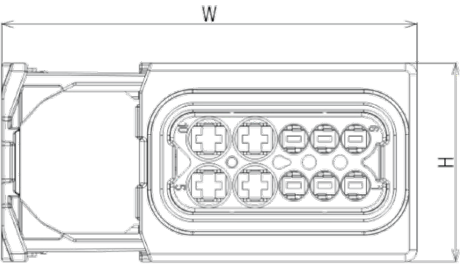
Version: 8P – 2,8



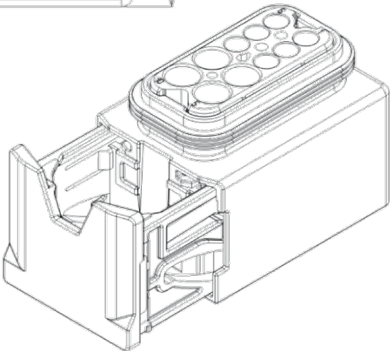
Version: 10P –
4x2,8 + 6x1,5



Version: 12P – 1,5



W x H x L:
53,70 x 25,60 x 31,25

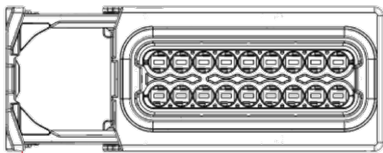


Y-NEWT CONNECTOR SERIES GROUP E

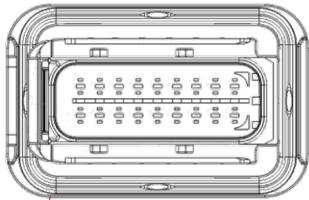
Waterproof inliner and device
connectors for harsh environments

Technical Data

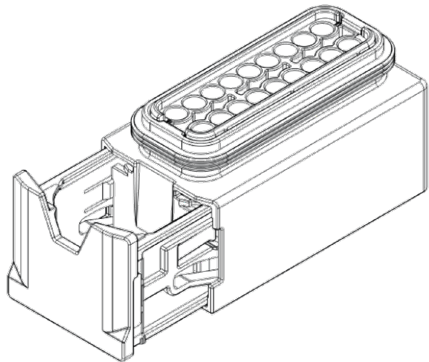
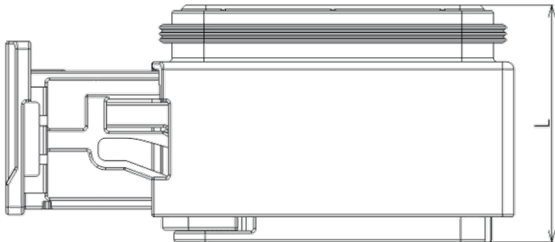
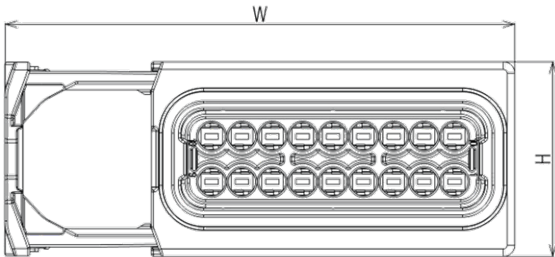
No. of positions	Gender	Secondary locking	Terminal Size [mm]	Inner Housing Color	Codes	Part numbers
18P	Female	Slider	1.5	Black	A	tbd
				Grey	B	tbd
				Green	C	tbd
				Blue	D	tbd
18P	Male	Slider	1.5	Black	A	tbd
				Grey	B	tbd
				Green	C	tbd
				Blue	D	tbd



Version: Female 18P – 1,5



Version: Male 18P – 1,5



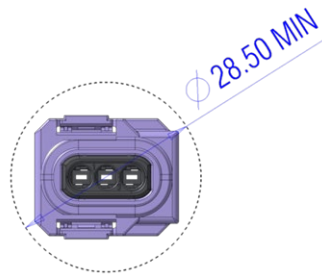
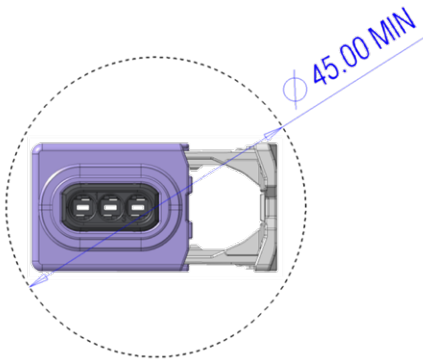
W x H x L:
67,20 x 25,60 x 31,25

Y-NEWT CONNECTOR SERIES SPECIAL APPLICATION

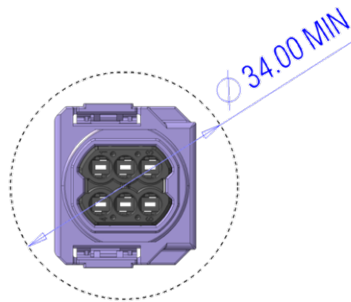
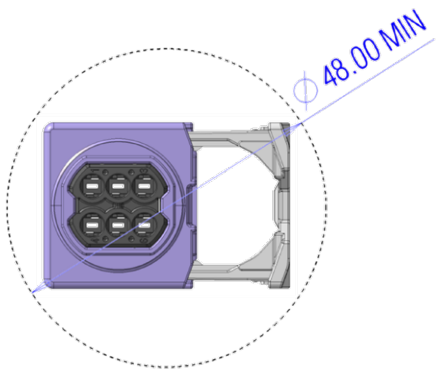
Waterproof inliner and device
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Concept without slider – Reduced diameter for passthru hole

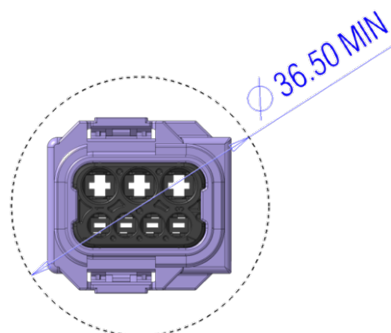
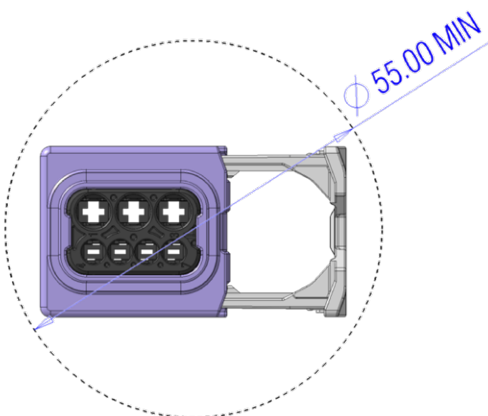
Group A



Group B



Group C



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Part numbers, specifications, dimensions, and performance data in this document are for general references only and are subject to change without notice.

To verify product information, please contact Technical Sales Support team.



TECHNICAL SALES SUPPORT
tss@yazaki-europe.com

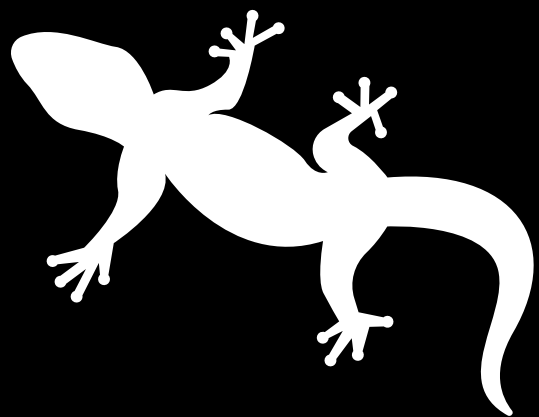
Quotation



Sample Order



Version
30-09-2022



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