



森特奈

SENTINEL ELECTRONICS



Cables

创新驱动智造，用心服务客户
SENSING YOUR MIND!

Connectivity

Connectors and Junction Boxes



The connectivity system is an indispensable products for connecting field devices and control devices.

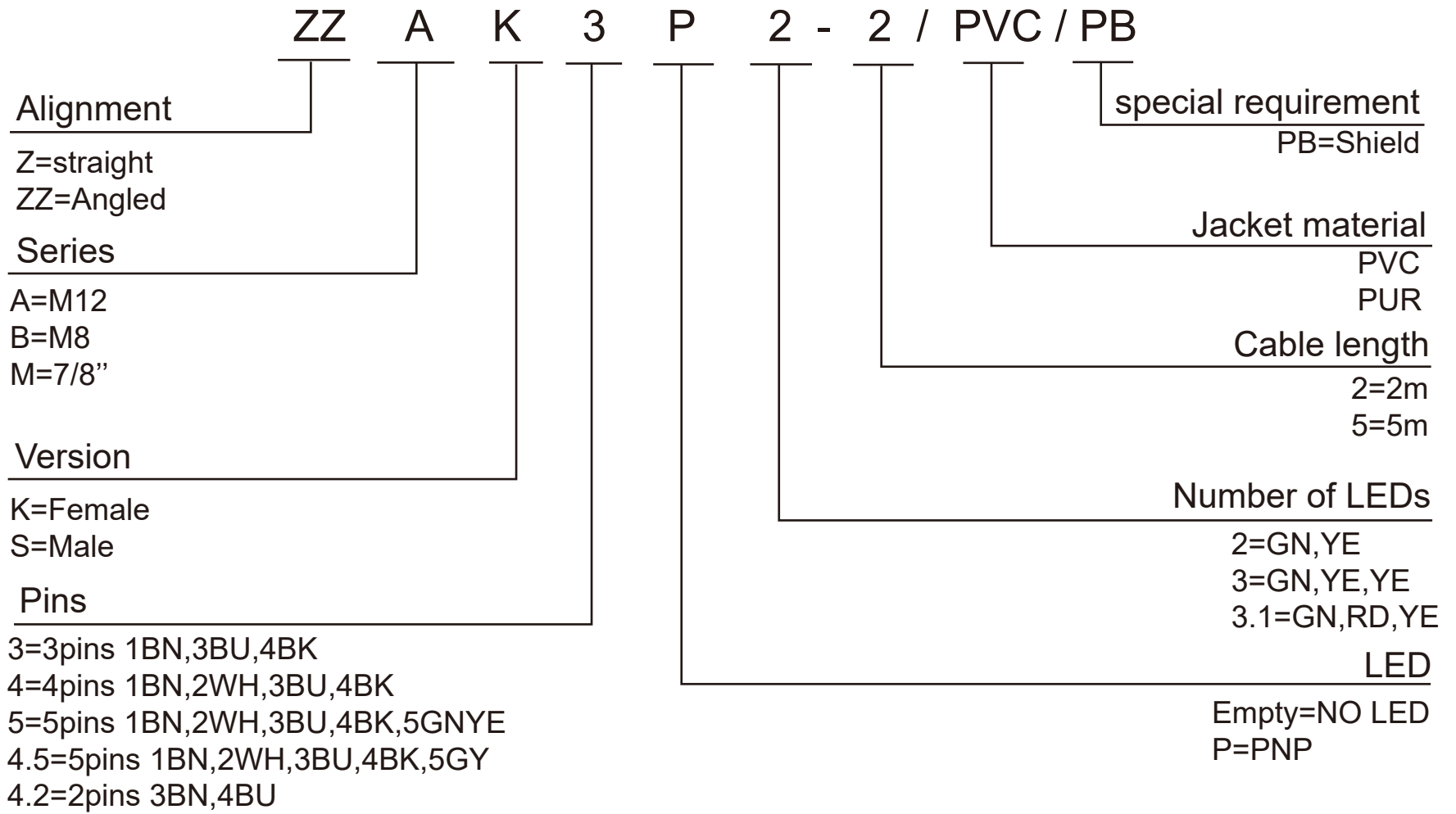
SENTINEL provides the customized solutions of the sensor/actuator for customers.

When used in harsh industrial environments, we can provide standard products and customized products to customer needs.

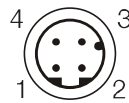
A wide variety of products are available, including male female connectors, pre-cast connectors, junction boxes, as well as cables and accessories.

The connectivity products make customer wiring systems low-cost and more efficient.

Cables



Dimensions



Type

ZNS5-2-ZNS5/PVC/PN/FLEX
ZNS5-5-ZNS5/PVC/PN/FLEX
ZNS5-2-ZNS5/PVC/PN/FLEX

ZNS5-2-RJ45/PVC/PN/FLEX
ZNS5-5-RJ45/PVC/PN/FLEX
ZNS5-10-RJ45/PVC/PN/FLEX

RJ45-2-RJ45/PVC/PN/FLEX
RJ45-5-RJ45/PVC/PN/FLEX
RJ45-10-RJ45/PVC/PN/FLEX

Connector A

Connect type	M12, Straight Male, D-coded	RJ45, Straight, Male
Contacts	Metal, CuZn, Gold-plated	
Connector body	Plastic, TPU,	
Number of Pins	4	
Coupling nut/screw	CuZn-Ni or PA	
Mechanical lifespan	> 100 Mating cycles	
Type of protection	IP67, (screwed together)	IP20

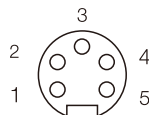
Connector B

Connect type	M12, Straight Male, D-coded	RJ45, Straight, Male
Contacts	Metal, CuZn, Gold-plated	
Connector body	Plastic, TPU,	
Number of Pins	4	
Mechanical lifespan	> 100 Mating cycles	
Type of protection	IP67, (screwed together)	IP20

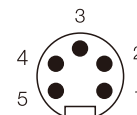
Cable

Cable diameter	Ø 6.5 mm
Cable length	2m, 5m, 10m
Cable jacket	PVC, Green
Core cross-section	4 x 0.32 mm ²

Dimensions



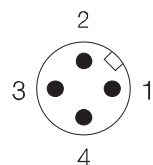
ZMK5-2/PVC
ZMK5-5/PVC
ZMK5-10/PVC



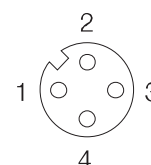
ZMS5-2/PVC
ZMS5-5/PVC
ZMS5-10/PVC

Type	ZMK5-2/PVC ZMK5-5/PVC ZMK5-10/PVC		ZMS5-2/PVC ZMS5-5/PVC ZMS5-10/PVC	
Connector type	7/8", Straight Female		7/8", Straight male	
Number of Pins	5			
Contacts	Metal, CuZn, Gold-plated			
Connector body	Plastic, TPU			
Cable diameter	Ø 8.5 mm			
Cable jacket	PVC, gray			
Ambient temperature range	-40...+90°C			
Type of protection	IP67, (screwed together)			
Core cross-section	4X1.2mm ² +1x0.75mm ²			
Rated voltage	240V			
Current	15A			
Insulation resistance	13.3 Ω/km			
Mechanical lifespan	> 100 Mating cycles			
Cable length	2m、 5m、 10m			

Dimensions



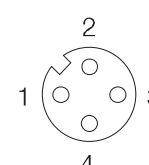
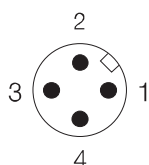
ZAS4-2/PVC



ZAK4-2/PVC

Type	ZAS4-2/PVC	ZAK4-2/PVC
Order number	8052402	8051402
Connect type	M12, Straight Male, A-coded	M12, Straight Female, A-coded
Rated voltage	10-30V	
Rated current	4A	
Number of Pins	4	
Insulation resistance	$\geq 10^9 \Omega$	
Ambient temperature range	-40...+80°C	
Core cross-section	4 x 0.25 mm ²	
Coupling nut/screw	CuZn-Ni or PA	
Contacts	CuZn	
Seal	Viton(FPM)Plastic	
Type of protection	IP67, (screwed together)	
Cable jacket	PVC, Gray	
Core colors	BN, WH, BU, BK	
Cable diameter	Ø 5.25 mm	
Mechanical lifespan	> 100 Mating cycles	

Dimensions



ZZAS3-2/PVC
ZZAS3-5/PVC
ZZAS3-10/PVC

ZZAS3-2/PUR
ZZAS3-5/PUR
ZZAS3-10/PUR

ZZAS4-2/PVC
ZZAS4-5/PVC
ZZAS4-10/PVC

ZZAS4-2/PUR
ZZAS4-5/PUR
ZZAS4-10/PUR

Type

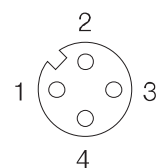
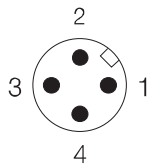
Connect type	M12 , Angle , Male , A-coded			
Rated voltage	10-30V			
Rated current	4A			
Number of Pins	3		4	
Insulation resistance	$\geq 10^9 \Omega$			
Ambient temperature range	-40...+80°C			
Core cross-section	3 x 0.25 mm ²		4 x 0.25 mm ²	
Coupling nut/screw	CuZn-Ni or PA			
Contacts	CuZn			
Seal	Viton(FPM)Plastic			
Type of protection	IP67, (screwed together)			
Cable jacket	PVC, Gray	PUR, Gray	PVC, Gray	PUR, Gray
Core colors	BN, BU, BK		BN, WH, BU, BK	
Cable length	2m、 5m、 10m			
Cable diameter	Ø 5.25 mm			
Mechanical lifespan	> 100 Mating cycles			

Dimensions



Type	ZZAK3P2-2/PVC	ZZAK4P2-2/PVC	ZZAK4P3-2/PVC
Order number	9061302	9061402	9061502
Number of Pins and LEDs	3pins,2LEDs	4pins,2LEDs	4pins,3LEDs
Rated voltage	24V		
Rated current	4A		
Connect type	Female M12 with LED,Angle,A-coded		
Insulation resistance	$\geq 10^9 \Omega$		
Ambient temperature range	-40...+80°C		
Core cross-section	4 x 0.25 mm ²		
Coupling nut/screw	CuZn-Ni or PA		
Contacts	CuZn		
Seal	Viton(FPM)Plastic		
Type of protection	IP67, (screwed together)		
Cable jacket	PVC, Gray		
Core colors	BN, WH, BU, BK		
Cable diameter	Ø 5.25 mm		
Mechanical lifespan	> 100 Mating cycles		

Dimensions



ZAK4-2-ZAS4/PVC
ZAK4-5-ZAS4/PVC
ZAK4-10-ZAS4/PVC

ZAK4-2-ZAS4/PUR
ZAK4-5-ZAS4/PUR
ZAK4-10-ZAS4/PUR

Type

Connector A	
Connect type	M12, Straight Male, A-coded
Contacts	Metal, CuZn, Gold-plated
Connector body	Plastic, TPU,
Number of Pins	4
Coupling nut/screw	CuZn-Ni or PA
Mechanical lifespan	> 100 Mating cycles
Type of protection	IP67, (screwed together)
Connector B	
Connect type	M12, Straight Female, A-coded
Contacts	Metal, CuZn, Gold-plated
Connector body	Plastic, TPU,
Number of Pins	4
Mechanical lifespan	> 100 Mating cycles
Type of protection	IP67, (screwed together)
Cable	
Cable diameter	Ø 5.25 mm
Cable length	2m, 5m, 10m
Cable jacket	PVC, Gray PUR, Gray
Core cross-section	4 x 0.25 mm ²
Ambient temperature range	-40...+80°C

Dimensions



ZZAK3-2-ZAS3/PVC
ZZAK3-2-ZAS3/PUR
ZZAK3-2-ZAS3/PVC

ZZAK3-2-ZAS3/PUR
ZZAK3-2-ZAS3/PUR
ZZAK3-2-ZAS3/PUR

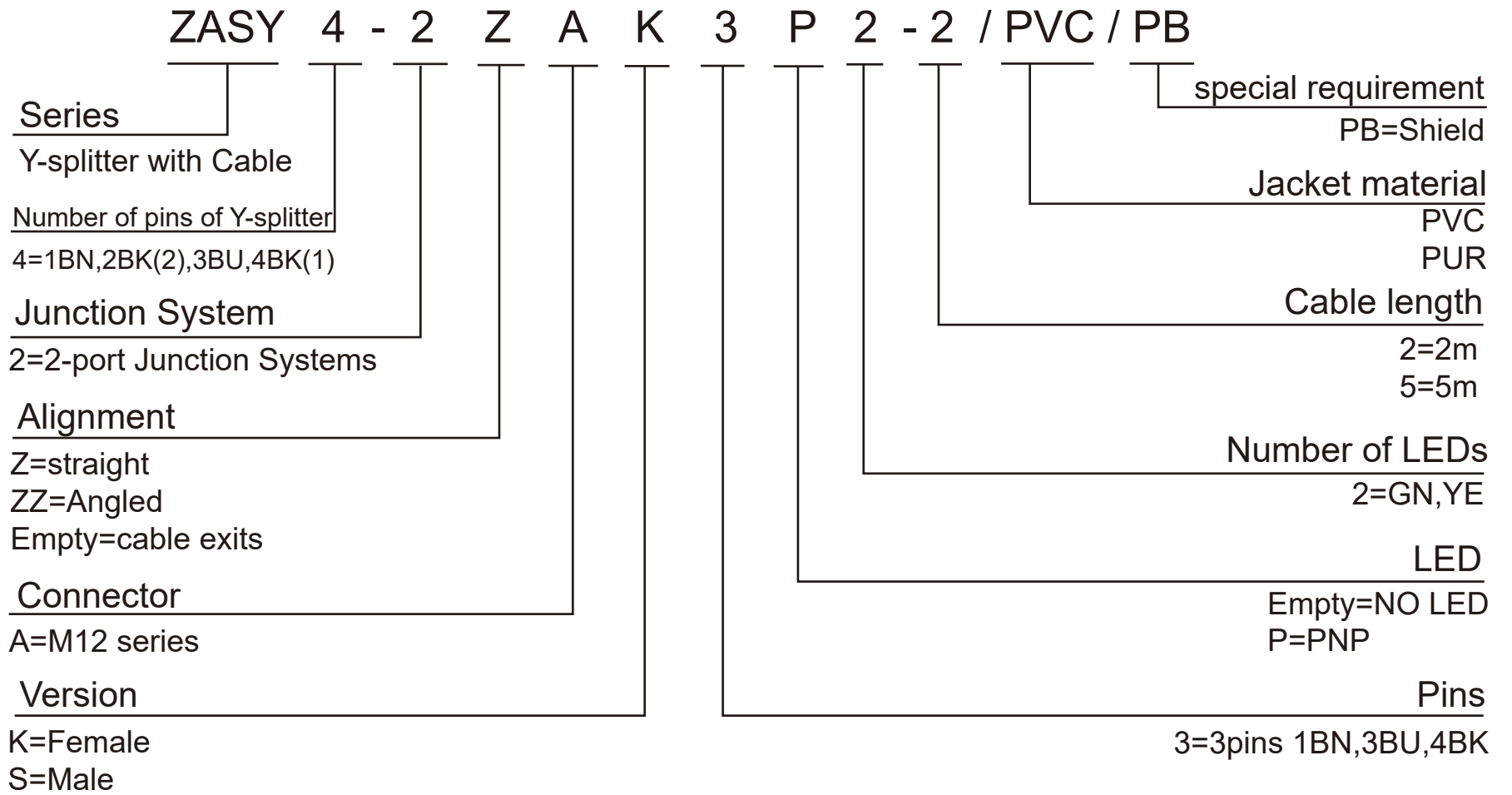
ZZAK4-2-ZAS4/PVC
ZZAK4-2-ZAS4/PUR
ZZAK4-2-ZAS4/PVC

ZZAK4-2-ZAS4/PUR
ZZAK4-2-ZAS4/PUR
ZZAK4-2-ZAS4/PUR

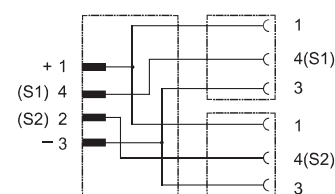
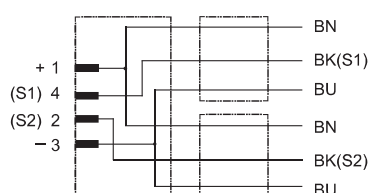
Type

Connector A				
Connect type	M12 , Angle , Female , A-coded			
Contacts	Metal, CuZn, Gold-plated			
Connector body	Plastic, TPU,			
Number of Pins	3			4
Coupling nut/screw	CuZn-Ni or PA			
Mechanical lifespan	> 100 Mating cycles			
Type of protection	IP67, (screwed together)			
Connector B				
Connect type	M12 , Straight , Male , A-coded			
Contacts	Metal, CuZn, Gold-plated			
Connector body	Plastic, TPU,			
Number of Pins	3			4
Mechanical lifespan	> 100 Mating cycles			
Type of protection	IP67, (screwed together)			
Cable				
Cable diameter	Ø 5.25 mm			
Cable length	2m、 5m、 10m			
Cable jacket	PVC, Gray	PUR, Gray	PVC, Gray	PUR, Gray
Core cross-section	3 x 0.25 mm ²		4 x 0.25 mm ²	
Ambient temperature range	-40...+80°C			

Y-splitter with cable



Dimensions



Type

ZASY4-2/2/PVC

ZASY4-2ZAK3-2/PVC

Order number	9040202	9030202
Connect type	Y-splitter with Cable,M12 male -2 cable exits	Y-splitter with Cable,M12 male - 2×M12 female
Rated voltage	10-30V	
Rated current	4A	
Number of Pins	4/3-pin	
Insulation resistance	$\geq 10^9 \Omega$	
Ambient temperature range	-40...+80°C	
Core cross-section	3x0.25 mm ²	
Coupling nut/screw	CuZn-Ni or PA	
Contacts	CuZn, Gold-plated	
Seal	Viton(FPM)Plastic	
Type of protection	IP67, (screwed together)	
Cable jacket	PVC	
Jacket color	Gray	
Cable diameter	Ø 5.2mm	
Mechanical lifespan	> 100 Mating cycles	
Core colors	BN, BU, BK	
Cable length	2 m	

Application



- Lubrication
- Cooling
- Hydraulics
- Metallurgy industry
- Metal processing
- Auto Industry
- Logistical Packaging
- Machining Industry



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