



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Y distributor - SAC-8PY-MY/M-FD SH - 1410630

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Y distributor, Ethernet hybrid CAT5 (100 Mbps), 8-position, shielded, Plug straight M12 SPEEDCON, Y-coded, on Socket straight M12 SPEEDCON, D-coded and Plug straight M12 SPEEDCON, A-coded, Power with Ethernet (PWE), Thread M12 plug A-coded and M12 socket not rotatable

### Why buy this product

- Safe use in the field, thanks to a high degree of protection
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference
- Save time, thanks to installation with SPEEDCON fast locking system



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 924719
GTIN	4046356924719

### Technical data

#### Dimensions

Center distance	21 mm
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#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP67

#### General

Rated current at 40°C	4 A (Power)
	0.5 A (Data)
Rated voltage	30 V AC (Power and data)
	30 V DC (Power and data)
Number of positions	8
Color handle area	black
Insulation resistance	≥ 100 MΩ

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## Technical data

### General

Coding	Y - hybrid
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Ethernet hybrid CAT5 (IEC 11801), 100 Mbps
Status display	No
Overvoltage category	III
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 connector)

### Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Ni/Au
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR
Additional material specifications	PP (Contact carrier, Y-coded, data)
	PA 6.6 (Contact carrier, Y-coded, power)
	TPE-U (Contact carrier, A-coded)
	TPE-U (Contact carrier, D-coded)

### Standards and Regulations

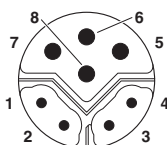
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	HB

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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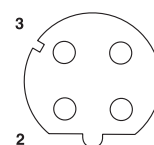
## Drawings

Schematic diagram



M12 hybrid plug pin assignment, 8-pos., Y-coded, pin side view

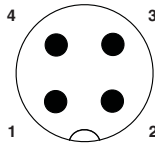
Schematic diagram



Pin assignment M12 socket, 4-pos., D-coded, female side

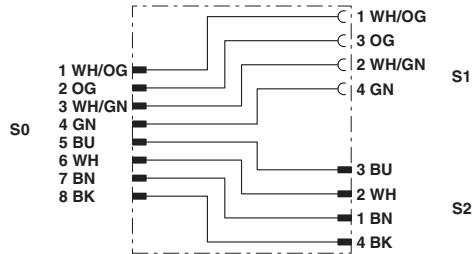
# Y distributor - SAC-8PY-MY/M-FD SH - 1410630

Schematic diagram



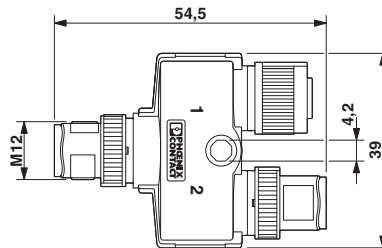
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Circuit diagram



Contact assignment of the M12 Y distributor

Dimensional drawing



M12 Y distributor

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