

## M8-Circular Connectors & Sockets Snap & Screw/Snap Termination



### Introduction

In order to save time and costs, ease of maintenance and speed of installation are playing an increasingly important role in industrial cabling.

Overmoulded connectors with snap termination can be quickly and easily plugged onto sockets, sensors and actuators without any further work steps or tools. The compact locking system is secure and complies with protection class IP67 with up to six poles.

CONEC circular connectors and sockets of size M8 with snap and screw/snap termination are available in the standardised codings A and B for signal transmission.

In particular, if there is only a little installation space available, the snap connectors can be mounted very well on their counterpart, optionally with angled or straight cable outlet.



Variants with M8x1 thread on one end can be mounted firmly, e.g. on the threaded socket on the control cabinet; the other end with snap lock can be used flexibly on the assembly and production line.

Combined CONEC sockets with screw / snap termination feature both locking types, connectors with thread M8x1 as well as connectors with snap termination can be mounted.

The sockets are available in different numbers of poles (up to eight poles). Variants are available for both front and rear panel mounting.

In addition to the wire and solder pin straight termination types, the portfolio also includes sockets for the SMT or THR soldering methods. Insulating bodies are available in 3-, 4-, 5- and 8-pos. Four different housing types (2x front, 2x rear panel mounting) in various heights are selectable.

Equally reliable and durable are the contacts with gold coating, which allow low contact resistances and high mating cycles (>100).

During maintenance and assembly in daily use, the tool-free snap-locking system can save a great deal of time and cost.

Customised variants are available on request.

## Items and Versions

### 2.1 M8x1 Sockets

	Mounting style		No. of poles	Coding	Rated voltage [V AC/DC]	Current rating [A]	Wire [AWG]
	Front panel	Rear panel					
<b>Wire termination (Length 0,2 n)</b>	✓	✓	3, 4	A	50/60	3	24
		✓	5	B	30/30	3	24
	✓	✓	8	A	30/30	1,5	26
<b>SMT / THR</b>	✓	✓	3, 4	A	50/60	3	
	✓	✓	5	B	30/30	3	
	✓	✓	8		30/30	1,5	
<b>Solder pin straight</b>		✓	3, 4	A	50/60	3	
		✓	5	B	30/30	3	
		✓	8	A	30/30	1,5	

## 2.2 M8x1 Circular connectors overmoulded

Type Side A	Type Side B	No. of poles	Coding	Rated voltage [V AC/DC ]	Current rating [A]	Wire cross section Standard* [mm <sup>2</sup> ]
Open end cable: standard lengths 2/3/5/10 m						
Female connector axial		3, 4	A	50/60	3	0,25
		5	B	30/30	3	0,25
		6	A	30/30	1,5	0,14
Male connector axial		3,4	A	50/60	3	0,25
		5	B	30/30	3	0,25
		6	A	30/30	1,5	0,14
Female connector angled		3, 4	A	50/60	3	0,25
Male connector angled		3, 4	A	50/60	3	0,25
Female connector axial	Male connector axial	3,4	A	50/60	3	0,25
Female connector axial	Male connector axial	5	B	30/30	3	0,25
Female connector axial	Male connector axial	6	A	30/30	1,5	0,14
Female connector angled	Male connector axial	3,4	A	50/60	3	0,25
<b>* other wire cross sections on request</b>						

### Availability

- All listed items are available immediately.
- Customised versions upon request.

### Advantages

- Fastening without tools
- Quick and secure locking
- Compact design for limited installation space
- Angled and straight versions
- IP67 in mated condition

### Fields of Application

- Automation technology
- Industrial application
- Mechanical and plant engineering
- Conveyor technology
- Control technology