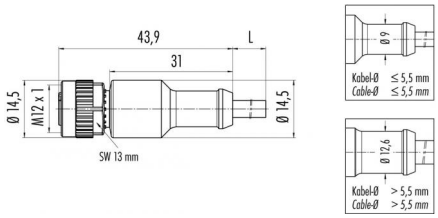
Product sheet

Automation technology

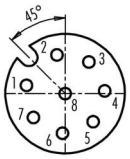
Product	**Contacts: 8, female cable connector overmoulded**	Area	**M12-A Series 763**
Pole	**8**	Article number	**77 3430 0000 50608-0500**

Illustration

Scale drawing



Contact Arrangement



geschirmt/ *shielded*	nicht geschirmt/ *not shielded*
1 weiß/*white*	1 weiß/*white*
2 braun/*brown*	2 braun/*brown*
3 grün/*green*	3 grün/*green*
4 gelb/*yellow*	4 gelb/*yellow*
5 grau/*grey*	5 grau/*grey*
6 rosa/*pink*	6 rosa/*pink*
7 blau/*blue*	7 blau/*blue*
8 rot/*red*	8 Schirm/*shield*
Gehäuse-Schirm/ *Housing-shield*	

Technical data

Common values

Connector Design	Female cable connector
Connector locking system	screw
Termination	crimp, injection-moulded cable
Wire gauge (mm)	0.25 mm²
Wire gauge (AWG)	24
Upper temperature	85 °C
Lower temperature	-25 °C

Cable data

material housing	PUR
Insulation single lead	PUR
Single lead structure	19 x 0.127
Cable sheath Ø	6
Conductor resistance	73Ω/Km
Temperature range cable movable c from	-5
Temperature range cable movable c to	70
Temperature range cable fixed c from	-25
Temperature range cable fixed c to	70
Bending radius cable fixed	60 mm
Bending radius cable movable	120 mm

Electrical values

Rated voltage	60 V
Rated impulse voltage	800 V
Pollution degree	3
Overvoltage category	II
Material group	II
Rated current (40°C)	2 A
Volume resistivity	≤ 3 mΩ
EMV compliance	not shielded
Degree of protection	IP68
Mechanical operation	> 100 mating cycles

Material

Material of contact	CuSn (Bronze)
Contact plating	Au (Gold)
Material of contact body	PUR
Material of housing	PUR

Kopie von Polzahl: 8, Kabellänge 5 m, Kabel: 8 x 0,25 mm², PUR, Kabeldose umspritzt, Schirm auf Pol 8