

SAIS-M23-12P-AN-5,0M**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

The M23 cables offer: high mating frequency, high current carrying capacity and high-density contacts coupled with minimal dimensions.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Version	Sensor/actuator line, One end without connector, M23, External thread, Number of poles: 12, 5 m, pin, 90°., Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1906290500
Type	SAIS-M23-12P-AN-5,0M
GTIN (EAN)	4032248529001
Qty.	1 pc(s).

SAIS-M23-12P-AN-5,0M

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Net weight	500 g
------------	-------

Technical specifications for cable

Bending cycles	2 Mio	Bending radius, min., moving	10 x cable diameter
Cable length	5 m	Colour coding	white, green, yellow, grey, pink, red, black, violet, blue, brown, Green/yellow
Halogen	No	Insulation	TPM
Irradiation crosslinked	No	Number of poles	12
Outer cladding in accordance with UL AWM style	21198 (80 °C / 300 V)	Outside diameter	7.7 mm ± 0.3 mm
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	No
Suitable for cable carriers	Yes	Temperature range, moving	-25...80 °C
Temperature range, stationary	-50...80 °C	Torsion resistance	0 °/m
Welding spark resistance	No	Wire cross section (Print/Online)	3 x 0.75 mm ² + 8 x 0.34 mm ²

General technical data

Connection side version	Connection side	1
	Connection thread	M23
	Type of contact	Pin
	Type of thread	External thread
	Outlet direction	angled
Connection side version 1	M23, Pin, External thread, angled	
Connection thread	M23, External thread	
Contact surface	Gold-plated	
Housing main material	PUR	
Insulation strength	10 ¹² Ω	
LED	No	
Plugging cycles	≥ 50	
Pollution severity	2	
Protection degree	IP67	
Rated current	8 A	
Rated voltage	120 V	
Temperature range of housing	-25...+80 °C	
Threaded ring material	Diecast zinc	
Tightening torque	M23: 2.5 Nm	
Version	pin, 90°; jumpered	
	No	

Electrical properties

Insulation strength	10 ¹² Ω	Rated voltage	120 V
---------------------	--------------------	---------------	-------

General standards

Certificate No. (cURus)	E486077
-------------------------	---------

Plug, left

Plug left	IP67, male contact, angled 90°, Plastic, unshielded
-----------	--

Creation date June 11, 2025 10:36:43 PM CEST

SAIS-M23-12P-AN-5,0M

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Plug, right

Plug right	free conductor end
------------	--------------------

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E486077

Downloads

Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

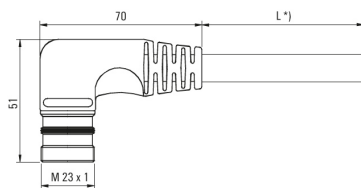
SAIS-M23-12P-AN-5,0M

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

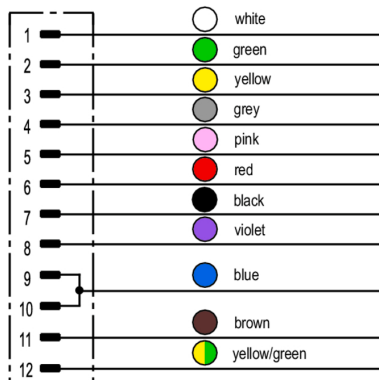
Drawings

Dimensioned drawing

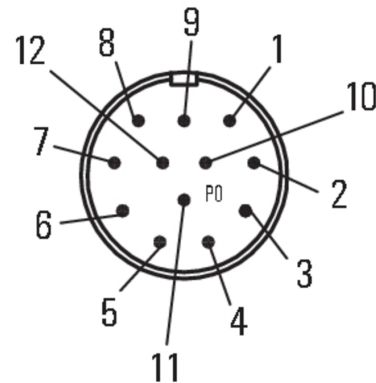


Male, angled

Wiring diagram



Pole scheme



Male

The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F