

Technical description modular SCHIEBEL plug SMod (TDSMODE0031)

Index:

1	General	2
2	Dimensions	2
3	Technical Data	2
3.1	General:	2
3.2	Power module:	2
3.3	Control module:	3
3.4	Cable gland into connector housing:	3

Note:



Notes contain important information.

Warning:



Warnings indicate special methods or handling procedures which, if not followed properly, may result in serious injury.

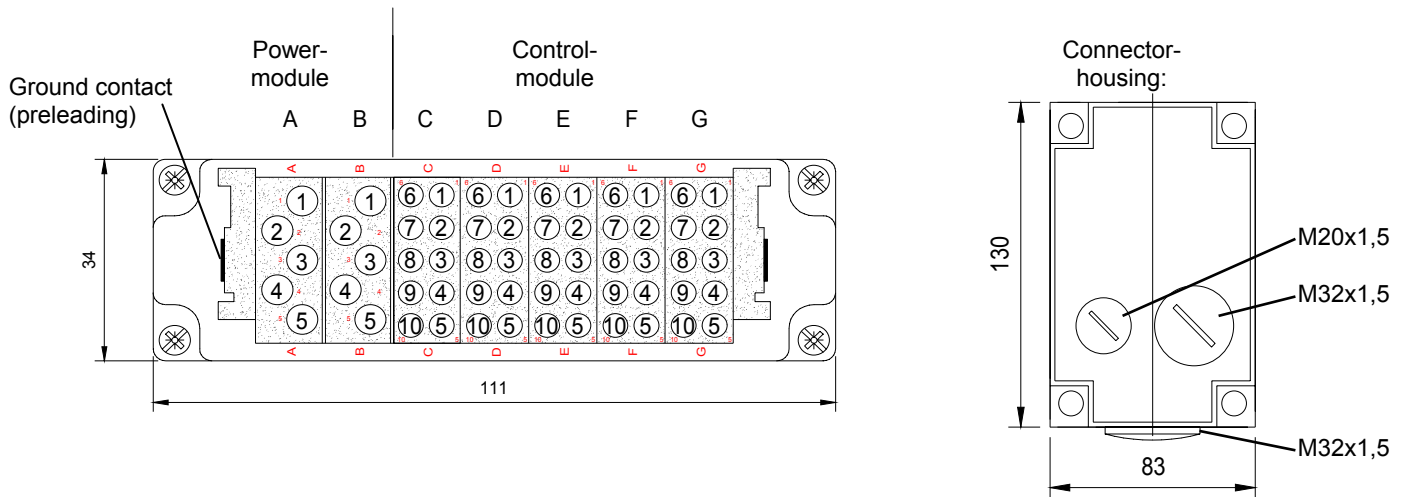
Technical description modular SCHIEBEL plug SMod (TDSMODE0031)

Document number: TDSMODMETRE0602

1 General

Smod, the modular SCHIEBEL plug, is a crimp plug in modular design. It contains a power module for motor- and supply-connections and a control module to connect command- and indication-signals. The different kind of crimp contacts for power- and control-lines prevent that wrong connections occur during wiring and start-up operation.

2 Dimensions



3 Technical Data

3.1 General:

Ambient temperature	-40..+100°C(acc. to IEC 60512-6;Test 11i)
Pollution degree	3 (according to DIN VDE 0110 T2 /1.89)
Installation overvoltage category.....	III (according to DIN VDE 0110 T2 /1.89)
Insulation resistance	>10 ¹⁰ Ω
Number of insertion cycles.....	≥500
Material	thermoplastic
Flammability.....	V-0 (according to UL 94)

3.2 Power module:

Rated voltage.....	400V
Rated impulse withstand voltage.....	6kV
Rated current	20A ¹⁾ (according to IEC 512)
Possible cross sections for connection	0,5; 0,75; 1; 1,5 (Standard); 2,5; 4 mm ²
Kind of contact	turned 2,5mm crimp contacts,silver-plated
Contact resistance	≤2mΩ

Technical description modular SCHIEBEL plug SMod (TDSMODE0031)

3.3 Control module:

Rated voltage.....	250V
Rated impulse withstand voltage.....	4kV
Rated current	10A ¹⁾ (according to IEC 512)
Possible cross sections for connection	0,5; 0,75; 1; 1,5 (Standard); 2,5 mm ²
Kind of contact	turned 1,6mm crimp contacts,silver-plated
Contact resistance	≤5mΩ

¹⁾ Reference value with full crimp contact capacity and 20°C

Possibility of higher currents without full crimp contact capacity.

3.4 Cable gland into connector housing:

Screw plug	1 x M20x1,5 2 x M32x1,5
------------------	-------------------------