

imc CANSAS Installation and Assembly

Available imc CANSAS models and accessories

Data Sheet Version 1.4

The variety of different housings and connections enable imc CANSAS modules to be used in a wide range of applications. The multifunctional aluminum housing is ideal for a dezentral and mobile applications due to the dimensions and robustness. Once installed and operated in the 19" rack, the modules can automatically be identify their slot position within the rack and pass this information on to automation software.

Housing types

	CANSAS	CANSAS-L	CANSAS-K	CANSAS-SL
General				
Housing type	Alu profile	Alu profile	cassette	sealed
Size (W x H x D, mm)	W x 111 x 90	W x 111 x 145	W x 128 x 145	W x 113 x 152
Weight (typical: UNI8)	800g	800g	450 g	900 g
Stackable	●	●		●
Subrack mounting		●	●	
Subrack slot recognition		●	●	
DIN-rail mounting kit	●	●		
Versatile mounting kit	●	●		●
Operating conditions				
Extended temp. range, incl. condensation	●	●	●	●
Shock and vibration rating	50g pk (5 ms)	50g pk (5 ms)	50g pk (5 ms)	MIL STD810F
IP rating	IP40	IP40	IP20	IP65
Connectivity				
CAN connector (in / out)	2 x DSUB-9	2 x DSUB-9	2 x DSUB-9	2 x DSUB-9 or 2 x LEMO
Power input connector	PHOENIX	PHOENIX	PHOENIX	LEMO.1B
Control LED (front)	●	●	●	●

Operating conditions for Alu profile and cassette

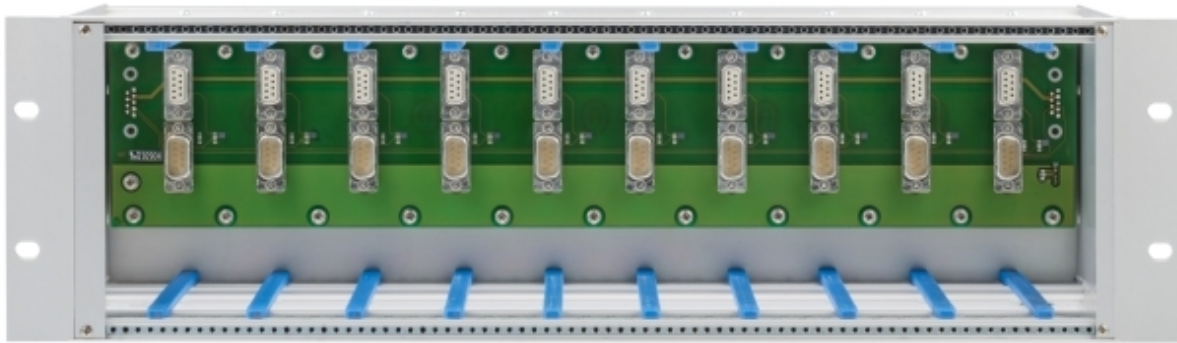
- Operating temperature: -30°C to 85°C condensation allowed
(consider the corresponding data sheet of the module for other ratings)
- Shock resistance 50 g pk over 5 ms

Operating conditions for sealed IP65 (SL) profile

- Operating temperature: -30°C to 85°C condensation allowed
(consider the corresponding data sheet of the module for other ratings)
- Shock resistance: MIL STD810F
- Ingress Protection rating: IP65

19" subrack backplane

For accommodating up to 10 cassette modules with 8 HP (horizontal pitches), having built-in slot recognition.



19" subrack: CAN/19BGT-D (article number: 1050141)



	CAN/19BGT	CAN/19BGT-D	CAN/19BGT-MMH
for imc CANSAS housing	CANSAS-K (cassette)	CANSAS-L (alu-profile)	CANSAS-L (alu-profile)
Slot: level (tier) / position	X / 10	X / 10	3 / 10
Connection Supply	LEMO 2-pin 10 .. 36 V / <100 VA Pin 1 (red point): +Supply Pin 2: -Supply	LEMO 2-pin 10 .. 36 V / <100 VA	XH pin (4-pin) 10 .. 36 V / <100 VA Pin 1+2: +Supply Pin 3+4: -Supply
Connection CAN	DSUB-9 (male/female)	DSUB-9 (male/female)	DSUB-9 (male/female)
Drop down locking mechanism	no	yes	yes
Side panel	angular	angular	round
Contact pin for grounding	no	yes	yes
imc article number	1050069	1050141	1050320
Dimension rack (B x H x T)	483 x 133 x 180 mm		

Mounting on DIN-Rail (top hat rail)

- Short and long imc CANSAS modules (alu-profil) can only be mounted on DIN-Rail if the module is equipped with a threaded hole rail. More details see data sheet imc mounting systems.
- Order code: **CAN/BRACKET-DN-S** for imc CANSAS module with 8 HP
- Order code: **CAN/BRACKET-DN-M** for imc CANSAS Module with 16 HP

Power supply for imc CANSAS modules

- Order code: **CAN/Power-Supply**

Table-top power adapter for supply of CANSAS modules (not Cassette model)

Input 100 V to 230 V AC, output 24 V DC/ 2,5 A

Network cable and connection terminal for CANSAS POWER socket

Connector for imc CANSAS current supply

- Order code: **CAN/Power-Plug**

4-pin connector with casing, for connecting an external supply voltage to the CANSAS-POWER socket

Remarks

The CAN-Bus connections have the advantage that the power supply's line in is through one CAN terminal and its line out is through the other CAN terminal. This makes it possible to operate multiple modules in series with only one supply voltage.

Note

- Be absolutely sure to give regard to the current load when supplying voltage via the CAN-Bus cable.
- The DSUB connectors are usually specified for 1 A per pin, for which reason a maximum of 3 modules should be supplied via the CAN-Bus. Also make note of the voltage drop along the line; the voltage must still measure >9 V at the module input.