

GSM-3G Modem Type ABS CA 523

SULZER

The CA 523 is a 3G modem suitable for use with all type Sulzer controllers equipped with RS 232 modem communication.

The modem kit comes complete with modem, dipole type T antenna, power cable and a DIN-rail socket. Diodes for indication of power and network status.

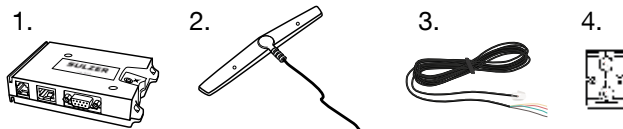
Features

- External antenna
- GSM 3G Five-band modem
- Edge/GPRS: Class 12 rates
- Plug & play with ABS controllers
- Separate tape mounted aerial
- Approvals: CE, UL
- Antennas of desired type can be used and placed at optional point

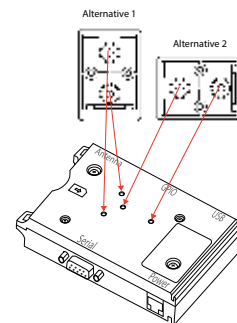


Part number 28007005 contains

1. Modem
2. Antenna
3. Power cable
4. DIN rail socket with 2 screws



Mounting of DIN-rail holder



Part number 28007006 contains

The same items as part number 28007005 with additional RS-232 cable, which can also be ordered separately. (p/n: 43320588).



Technical specifications

Description	
Ambient operating temperature	-30 to +65 °C (-22 to +149 °F)
Mounting	DIN rail 35 mm
Degree of protection	IP 20, NEMA: Type 1
Housing material	PPO and PC
Dimensions H x W x D	115 x 86 x 26 mm (4.53 x 3.39 x 1.03 inch)
Humidity	0-95 % RH non condensing
Power supply	8-30 VDC
RS 232 serial interface	One
Antenna contact	SMA-F

Antenna accessories for CA 523

Default antenna enclosed in modem

- Default antenna supplied with the modem.
- Cable length is 2.5 meters and shall not be extended.
- Must not be mounted on a metallic surface.

Description	
Frequency	900 / 1800 / 2170 MHz
Gain	0 dBd
Cable	2.5 meter
Connector	SMA-M



SMARTDISC Antenna p/n: 28007007

- Smartdisc antenna have a ground plate built-in and can be mounted on a metallic surface.
- The cable length is 2.5 meter and must not be extended.

Description	
Frequency	790-960 / 1710-2690 MHz
Impedance	Nominal 50 ohm
Polarization	Linear vertical
VSWR	3:1 in High and Low band
Gain	1 dBd (3.15 dBi)
Max power	10 W
Dimension	90 mm x Height 26 mm
Weight	190 g
Cable	2.5 meter
Connector	SMA-M
Degree of protection	IP67 when installed
Temperature	Operation -40 °C to +85 °C



ALIGN Antenna Kit p/n: 28007008

- Comes as a kit, including 2 cables (2 & 10 m), a mast and wall mounting assembly.
- For CA 523 and GPRS/3G only.
- Requires very accurate alignment to the base station.

Description	
Frequency	698-960 / 1710-2700 MHz (2G & 3G)
Mounting area	Wall / Mast brackets included UV stabilized for in and outdoor mounting
Pole diameter	20-50 mm (0.78-1.96 inches)
Impedance	Nominal 50 ohm
Polarization	Horizontal
Gain	698-960 6.5 dBi 1800-2100 9.0 dBi 2400-2700 6.0 dBi
VSWR	< 2:1
Dimension	230 x 180 x 94 mm (HxWxD) (9.05 x 7.08 x 3.7 inches)
Cables	2.0 + 10.0 meter with N-m to SMA-M of ultra low loss type
Max power	50 W
Connector Antenna	N-m
Weight	770 g
Temperature	Operation -30°C to +70°C

