

Product type designation

SLG U92 FCC reader

MOBY U Read/write unit SLG U92 with RS 422, Antenna integrated, for USA, Europe; IP65, -25 to +70 °C, 290x 135x 42 mm, max. limit distance: 3 m File handler and direct Write/Read Multi-ident capability: up to 12 MDS, with FCC approval



Figure similar

Suitability for operation	MOBY U, for connecting to communication modules
Radio frequencies	
Operating frequency	2400 ... 2483.5 MHz
Equivalent isotropically radiated power	
• minimum	0.7 mW
• maximum	0.7 mW
Range / maximum	3 m; Range adjustable in reader in steps of 0.5 m
Protocol / with radio transmission	ISO 18000-4
Transfer rate / with radio transmission / maximum	384 kbit/s
Product feature / multitag-capable	Yes
Polarization	circular
Electrical data	
Transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
Transmission time / for user data	
• for write access / per byte / typical	0.13 ms

- for read access / per byte / typical

0.21 ms

Interfaces

Standard for interfaces / for communication	RS422
Type of electrical connection	6-pin connector compliant with EN 175201-804
<ul style="list-style-type: none"> • at the digital inputs/outputs 	11-pin connector compliant with EN 175201-804
Number of digital inputs	2
Number of digital outputs	0

Mechanical data

Material	PA 12 GF 25
Color	anthracite
Tightening torque / of the screw for securing the equipment / maximum	2 N·m
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

Supply voltage, current consumption, power loss

Supply voltage	
<ul style="list-style-type: none"> • at DC / Rated value 	24 V
<ul style="list-style-type: none"> • at DC 	20 ... 30 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> • typical 	0.3 A
<ul style="list-style-type: none"> • maximum 	0.3 A

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-25 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +85 °C
Protection class IP	IP65
Shock resistance	EN 60721-3-7, Class 7 M3
Shock acceleration	300 m/s ²
Vibrational acceleration	15 m/s ²
Width	135 mm
Height	42 mm
Depth	290 mm
Net weight	0.9 kg
Mounting type	4 x M6 screws
Wire length	
<ul style="list-style-type: none"> • for RS 422 interface / maximum 	1000 m

Product features, product functions, product components / general

Display version	2 LEDs
Product feature / silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	RF: EN 300440-2, SAR: EN 50371, safety: EN 60950-1, EMC: EN 301489-01, EN 301489-03, ENV 50204, FCC Part 15C (USA), cULus, safe for heart pacemakers
Certificate of suitability • IECEX	No
MTBF	68 y

Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL <https://support.industry.siemens.com/cs/ww/en/view/67384964>
- to website: Industrial communication <http://www.siemens.com/ident/rfid>
- to website: Industry Mall <https://mall.industry.siemens.com>
- to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
- to website: Image database <http://automation.siemens.com/bilddb>
- to website: CAx Download Manager <http://www.siemens.com/cax>
- to website: Industry Online Support <https://support.industry.siemens.com>

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