

### Product type designation

### SLG U92 ETSI reader

MOBY U WRITE/READ UNIT SLG U92 WITH RS 232,  
INTEGRATED ANTENNA, FOR EUROPE; IP 65, -25 TO +70  
DEGR./C, 290 X 135 X 42 MM, MAX. DISTANCE: 3 M, FILE  
HANDLER AND DIRECT WRITE/READ FUNCT., MULTI-IDENT.  
CAPABILITY: UP TO 12 MDS



Suitability for operation	MOBY U, for connecting to PC systems
<b>Wireless frequencies</b>	
Operating frequency	2400 ... 2483.5 MHz
Equivalent isotropically radiated power	
• minimum	10 mW
• maximum	10 mW
<b>Electrical data</b>	
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
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	RS232
Type of electrical connection	6-pin connector compliant with EN 175201-804
<ul style="list-style-type: none"> <li>at the digital inputs/outputs</li> </ul>	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"> <li>at DC / Rated value</li> </ul>	24 V
<ul style="list-style-type: none"> <li>at DC</li> </ul>	20 ... 30 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>typical</li> </ul>	0.3 A
<ul style="list-style-type: none"> <li>maximum</li> </ul>	0.3 A

Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-25 ... +70 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +85 °C
Protection class IP	IP65
Shock resistance	EN 60721-3-7, Class 7 M3
Shock acceleration	300 m/s <sup>2</sup>
Vibrational acceleration	15 m/s <sup>2</sup>

Design, dimensions and weight	
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"> <li>with RS 232 interface / maximum</li> </ul>	30 m

Product properties, functions, 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
MTBF	68 y

## Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"><li>• to website: Selector SIMATIC NET SELECTION TOOL</li><li>• to website: Industrial communication</li><li>• to website: Industry Mall</li><li>• to website: Information and Download Center</li><li>• to website: Image database</li><li>• to website: CAx Download Manager</li><li>• to website: Industry Online Support</li></ul>	<ul style="list-style-type: none"><li><a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a></li><li><a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a></li><li><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></li><li><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></li><li><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></li><li><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></li><li><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></li></ul>

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