SIEMENS

Data sheet 6GT2501-0CA00

product type designation	**SLG U92 ETSI reader**
	********** spare part ********* MOBY U read/write unit SLG U92 with RS 422, antenna integrated, for Europe; IP65, -25 to +70 °C, 290x 135x 42 mm, max. limit distance: 3 m file handler and direct write/read, multi-identification capability: up to 12 MDS.



product brand name	SIMATIC RF
suitability for operation	MOBY U, for connecting to communication modules
radio frequencies	
operating frequency	2400 ... 2483.5 MHz
equivalent isotropically radiated power	
● minimum	10 mW
● maximum	10 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
● 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 / at DC	
● rated value	24 V
●	20 ... 30 V
consumed current / at DC	
● at 24 V / typical	0.3 A
● at 24 V / maximum	0.3 A
ambient conditions	

Subject to change without notice
© Copyright Siemens

ambient temperature	
● during operation	-25 ... +70 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
protection class IP	IP65
shock resistance	EN 60721-3-7, Class 7 M3
shock acceleration	300 m/s²
vibrational acceleration	15 m/s²
design, dimensions and weights	
width	135 mm
height	42 mm
depth	290 mm
net weight	0.9 kg
fastening method	4 x M6 screws
wire length	
● 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 a
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

Approvals / Certificates

General Product Approval					EMV
CE EG-Konf.	EAC	China RoHS	Manufacturer Declaration	Miscellaneous	KC

Radio Equipment Type Approval Certificate
Miscellaneous

last modified: 7/16/2026

Subject to change without notice
© Copyright Siemens