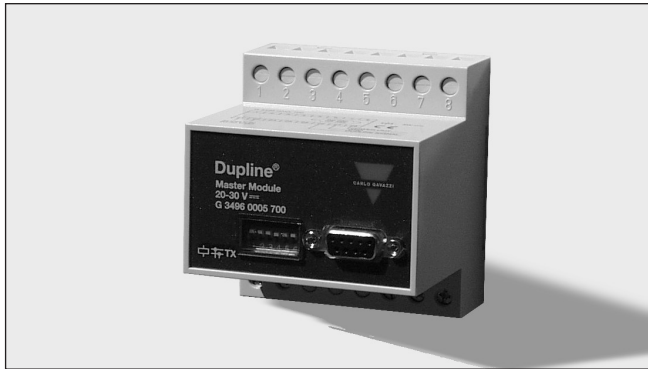


Dupline® Plug & Play Master Module Interface for Lucky Goldstar PLC Type G 3496 0001

CARLO GAVAZZI



- Lucky Goldstar master
- Plug and play: Automatic communication with specific PLC/Controllers
- Built-in normal Dupline® Channel Generator
- 128 I/O's and DC power supply on 3 wires
- RS232/RS422/RS485 port for interfacing to control system
- Split-I/O mode selectable (128 inputs and 128 outputs)
- LED-indications for supply, Dupline® carrier and Com-port Tx
- Galvanically isolated Com-port supplied by internal DC/DC converter

Product Description

G 3496 0001 is designed as a cost-effective Plug & Play solution for interfacing Dupline® I/O's to a Lucky Goldstar PLC. It performs three functions: Dupline®

channel generator, power supply synchronization (enables 3-wire system with supply) and RS232/RS422/RS485 interface.

Ordering Key

G 3496 0001 700

Type: Dupline® _____
H4-Housing _____
Combined module _____
Interface type _____
DC supply _____

Type Selection

Supply	PLC Interface type	Ordering no.
20-30 VDC	Lucky Goldstar K-serie	G 3496 0001 700

Input/Output Specifications

Power output	
Output voltage	20-30 VDC (pulsating)
Output current	< 3.0 A @ 50°C
Short circuit protection	4 A quick acting fuse
Output voltage drop	< 1.0 V
Dupline® carrier	
Output voltage	8.2 V (pulsating)
Current	< 60 mA
Short circuit protection	Yes
Scan time	
128 channels	132.2 ms
64 channels	69.8 ms
Communication port	
Standard	RS232/RS422/RS485
Split I/O mode	Yes, selectable
Normal Dupline mode	Yes, selectable
Connection	9 pole female Sub-D
Dielectric voltage	
Com-port Dupline®	1 kVAC (rms)
Protocol	LG Serial Communication Standard
Baud rate	19200
Data bits	8
Start bit	1
Stop bit	1
Parity	None
Flow-control	None

Input/Output Specifications (Cont.)

Pin assignment	
2-wire RS 485	
S/R Data line + (B)	Pin 3
S/R Data line - (A)	Pin 8
GND	Pin 5
4-wire RS 485/RS 422	
R Data line + (B)	Pin 3
R Data line - (A)	Pin 8
S Data line + (B)	Pin 2
S Data line - (A)	Pin 7
Direction	Pin 4
	(Connect to GND pin 5 when using 4-wire communication)
RS 232	
TX	Pin 1
RX	Pin 9
GND	Pin 5

Supply Specifications

Power supply	Overvoltage cat. III (IEC 60664)
Operational voltage (V_{in})	20-30 VDC
Reverse polarity protection	None
Current consumption	< 150 mA + Power load
Power dissipation	< 5 W
Transient protection voltage	800 V
Dielectric voltage	
Supply - Dupline®	None
Supply - com-port	1 kVAC (rms)

Note: Use individual power supplies for all G349600xx700, as the input are not galvanic isolated from each other.

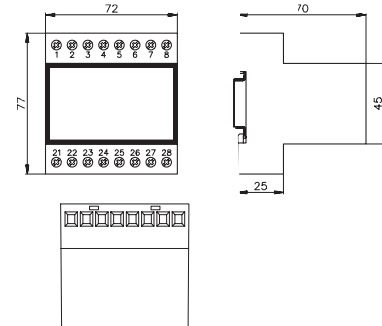
Memory Mapping

Table of the memory mapping

Dupline® Channel	Lucky Goldstar		Dupline® Channel	Lucky Goldstar	
	Read	Write		Read	Write
A1	M000	M080	E1	M020	M100
A2	M001	M081	F1	M028	M108
A3	M002	M082	G1	M030	M110
A4	M003	M083	H1	M038	M118
A5	M004	M084	I1	M040	M120
A6	M005	M085	J1	M048	M128
A7	M006	M086	K1	M050	M130
A8	M007	M087	L1	M058	M138
B1	M008	M088	M1	M060	M140
B8	M00F	M08F	N1	M068	M148
C1	M010	M090	O1	M070	M150
D1	M018	M098	P1	M078	M158

Dimensions (mm)

H4-housing



Additional Information

Scope of supply

1 x Master Module

G3496 0001 700

Accessories

Cable for Communication port

RS485-CAB

X-ON Electronics

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