

Dupline® DuplineSafe				
	Input module	Output module	Gateway / interface	
Types	GS7510 2101	GS3830 0143	GS3891 0125	GSTI 50
				
Dimensions (mm)	57.5 x 36.0 x 16.4	144 x 77 x 70	144 x 77 x 70	55 x 70 x 15
Functions	Bus-powered safety input module	DuplineSafe relay output module. Monitors up to 63 DuplineSafe inputs	Profibus-DP Gateway passive with Safety mapping	Dupline® Modbus interface module with Safety mapping
Housing type		DIN-rail mounting H8	DIN-rail mounting H8	Compact plastic housing
Electrical specifications				
Number of channels	2	2		
Features/Signal types	1 x NC contact	2 x NO Relays Force Guided contact	Reads/controls up to 128 inputs/outputs through Profibus-DP, Communication speed up to 12 MBaud	
Power supply	Powered through the Dupline® network	230 VAC ± 15%	115 = 115 VAC 230 = 230 VAC	Powered by the RS485 com port
General specifications				
Degree of protection	IP 67	IP 20	IP 20	IP 20
Pollution degree	3 (IEC 60664)	3 (IEC 60664)		
Operating temperature	-40°C to +50°C	-25°C to +50°C	0°C to +50°C	-20°C to +60°C
Storage temperature	-40°C to +70°C	-30°C to +70°C	-20°C to +85°C	-30°C to +85°C
Humidity (non condensing)	20 to 80%	20 to 80%	20 to 80%	
Remarks	Approved according to IEC/EN 61508, EN 62061 and ISO/EN 13849-1 PL e	Approved according to IEC/EN 61508, EN 62061 and ISO/EN 13849-1 PL e	Certified by PNO	Supports Modbus RTU function code 3 and code 16
References				
Cable connection	GS7510 2101			
Cable connection cULus approved	GS7510 2192			
Plug connector	GS7510 2101-1			
Plug connector cULus approved	GS7510 2192-1			
Output relay		GS3830 0143		
Gateway / interface			GS3891 0125	GSTI 50

Dupline® DuplineSafe				
	Optical fibre converter	Repeater	Configuration tool	
Types	GS3492/GS3493	GS3892 0000	GS7380 0080	GS7380 0081
				
Dimensions (mm)	77 x 72 x 70	77 x 144 x 70	28 x 90 x 145	25 x 50 x 100
Functions	Optical repeater for converting DuplineSafe from electrical to optical transmission media	DuplineSafe signal repeater for extension of transmission distance	Configuration and test unit for DuplineSafe	USB Configuration unit for DuplineSafe
Housing type	DIN-Rail, H4	DIN-Rail H8	Handheld	Handheld
Electrical specifications				
Number of channels	Adjusts automatically	Adjusts automatically		
Features/Signal types	All Dupline® signal types	Regenerates the Dupline® signal carrier through channel generator output		Windows based programming tool for safety output relay module and safety input modules
Power supply	230 = 115/230 VAC	024 = 024 VAC 115 = 115 VAC 230 = 230 VAC	9 V battery 6LR61	Supplied by the USB port
General specifications				
Degree of protection	IP 20	IP 40	IP 40	IP 40
Pollution degree				3 (IEC 60664)
Operating temperature	0°C to +50°C	0°C to +50°C	-10°C to +45°C	0°C to +50°C
Storage temperature	-20°C to +85°C	-50°C to +85°C	-20°C to +70°C	-20°C to +60°C
Humidity (non condensing)				
Remarks	Operates pair-wise. Runs on 50/125, 62.5/125 or 100/140 micro m with STN connectors		Adapt 7380 is included	
References				
		GS3892 0000	GS7380 0080	GS7380 0081
Optical/electrical converter	GS3492 0000			
Electrical/optical converter	GS3493 0000			