

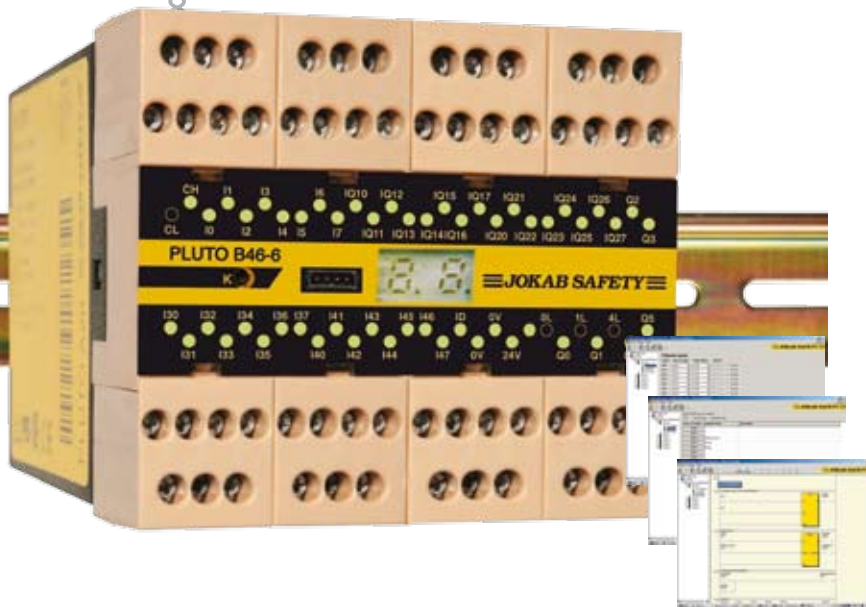
Safety PLC

Pluto S/B46-6

Features:

- Simple programming
- Easy to configure and install
- Free software
- Lower cost per I/O
- It is possible to build larger systems, 32 B46-6 Pluto's on the same bus = 32 x 46 I/O
- Easy to build complete machine control

Safe bus for connection of up to 32 Pluto's (B46-6)



Pluto Manager,
our programming tool for Ladder
diagram programming.

More I/O's with the Pluto S/B46-6

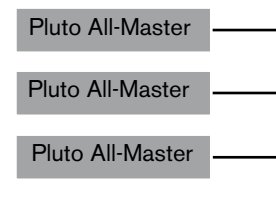
The Pluto S/B46-6, new from Jokab Safety AB, is the most powerful safety PLC yet, but with a width of just 90 mm. It has been developed by the need for a compact safety PLC with more built-in I/O's. The S/B46-6 has a total of 46 I/O's, 6 of which are individual safe outputs. Also, 16 I/O's can be used as either inputs or outputs and there are 24 inputs designated for safety and other devices. Programming is via the intuitive Pluto Manager software and is based on ladder logic, making Pluto suitable for both safety monitoring and control of smaller machines. An operating panel (HMI) can be connected directly to the serial interface or to the safety Can-Bus.

Simple design and easy alterations with the Pluto Safety PLC B46-6

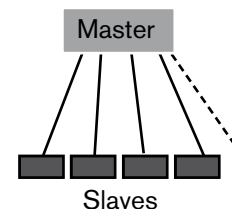
Pluto is an "All-Master" safety PLC, which simplifies the design for safety systems and achieves the highest Category 4 safety standard, according to EN 954-1. All Pluto's are "Master" units, which means they can see each other on the network and make decisions about their own immediate safety environments. The system is programmed using Pluto Manager, a Windows-based programming tool, making possible both TUV-approved safety function blocks and free programming.

For more information about the Pluto system see our website or our product catalogue "The Safety Handbook".

Our solution with All-Master (B46-6)

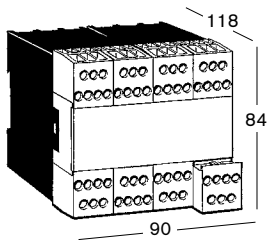


Traditional, Safety-PLC



Can also be used as a programmable safety relay (Pluto S46-6).

Technical data – Pluto S/B46-6



Manufacturer	Jokab Safety AB, Sweden	Max. units on the bus	32
Ordering data	Pluto B46-6 Article Number: 20-070-15 Pluto S46-6 Article Number: 20-070-16	Bus cable length	130 m at 400 kb/s (standard) (other combinations are possible)
Colour	Black and Beige	Response time:	20 - 30 ms Software setting *NO Filt* reduces the response time. - 5 ms Response time over the bus(normal function): +10 ms
Failsafe inputs	I0-I7 + I30-I37 +I40-I47 +24 V (for PNP sensors) IQ10-IQ17 + IQ20-IQ27 +24 V (for PNP sensors)	Programming facilities	Ladder or boolean algebra
Max. over voltage	27 V continuously	TÜV approved funtion blocks	yes
Filter time (standard)	5 – 10 ms, software	Arithmetic functions	yes
Safety output	Q2-Q3: Solid state, -24 VDC	Program memory	32k
Output voltage tolerance:	Supply voltage -1.5 V at 800 mA	Internal memories	500
Max. load/output:	800 mA	Registers	150
Q0-Q1 + Q4-Q5:	Relay output	Timers	50
Max voltage	250 VAC	Dimensions	90 x 84 x 118 mm (w x h x d)
Max. load / output	1.5 A	Operating Ambient air temperature	-10° - +50°C
Outputs, non-failsafe	IQ10-IQ17 + IQ20-IQ27 Transistor +24V, PNP open collector (also configurable as failsafe inputs.)	Temperature, transport and storage	-25° - +50°C
Max load/output	800 mA	Degree of protection	
Max totally load	IQ10... 17:2A IQ20... 27:2A	Enclosure:	IP 40 - IEC 60 529
Safety Bus (B46-6)		Terminals:	IP 20 - IEC 60 529

I/O Configuration – Pluto S/B46-6

