

RCS-ECS-DCS

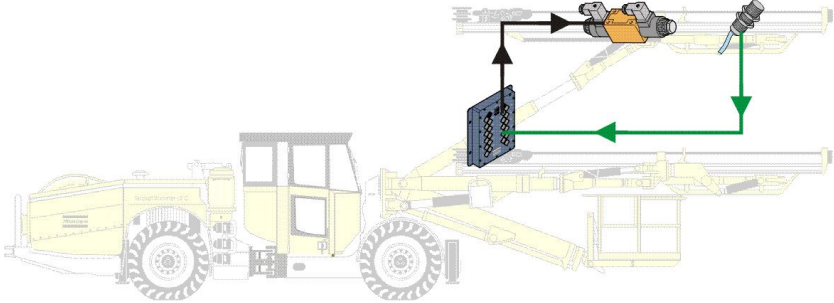


Difference between control systems

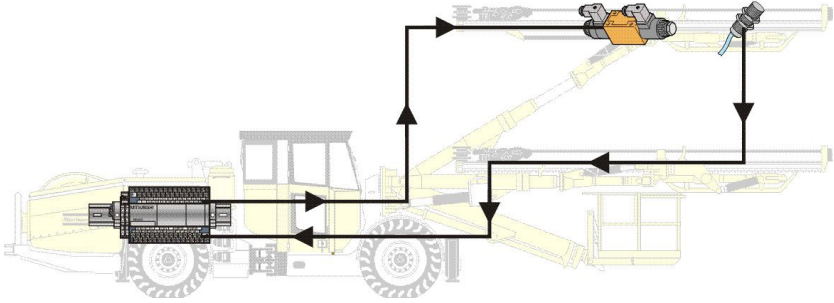
RCS-ECS-DCS

Illustrated control systems

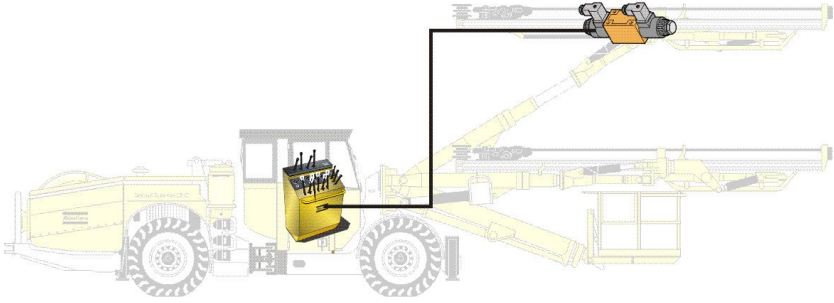
- RCS



- ECS

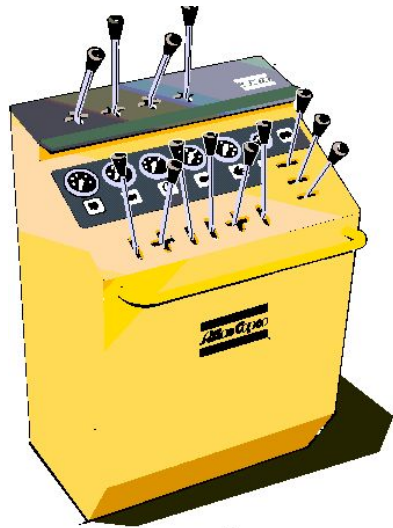


- DCS

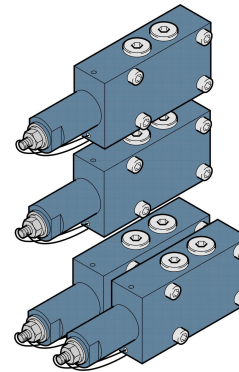
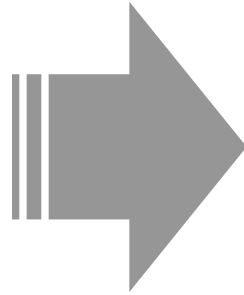


DCS Principle

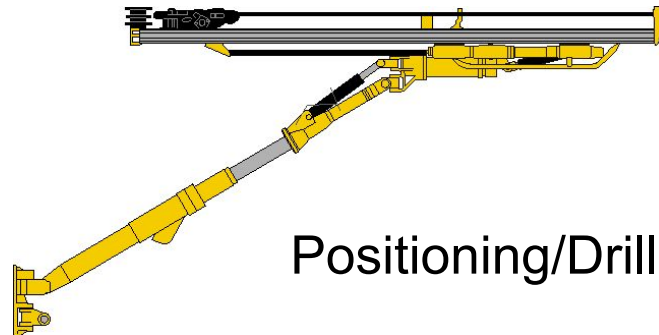
The principle of the Direct Control System



Operator panel
(Hydraulic)



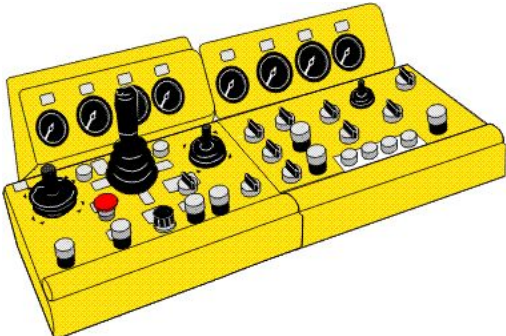
Hydraulic system



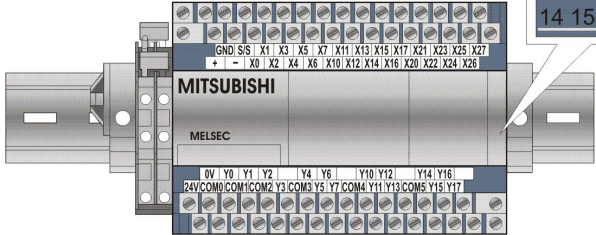
Positioning/Drilling

ECS Principle

The principle of the Electronic Control System

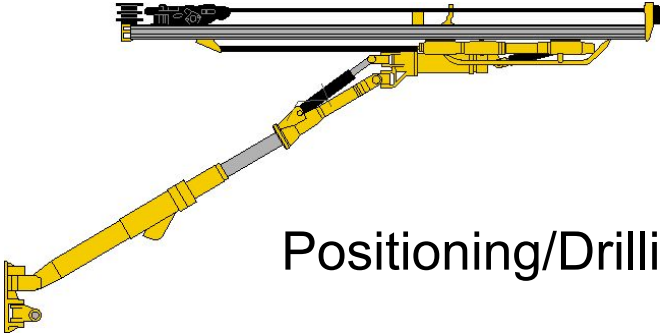


OP Panel
(Electrical)



0	1	2	3
4	5	6	7
10	11	12	13
14	15	16	17
IN			
POWER	●		
RUN	●		
ERROR	●		
FX1s-30MR			
0	1	2	3
4	5	6	7
10	11	12	13
14	15	OUT	

PLC Unit
(Programmable
Logic Control)



Positioning/Drilling

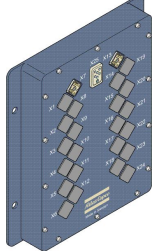
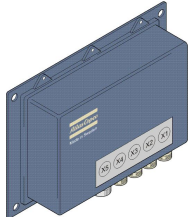


RCS Principle

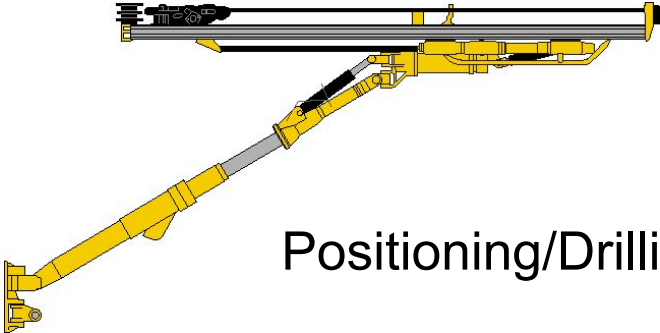
The principle of the Direct Control System



OP Panel
(CPU in the network)



Modules
(CPU's in the network)

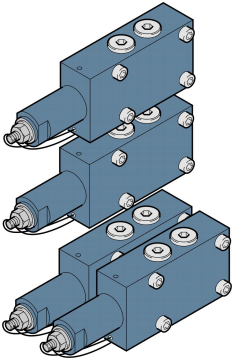


Positioning/Drilling

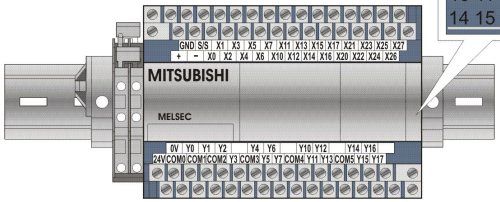


ECS-DCS-RCS

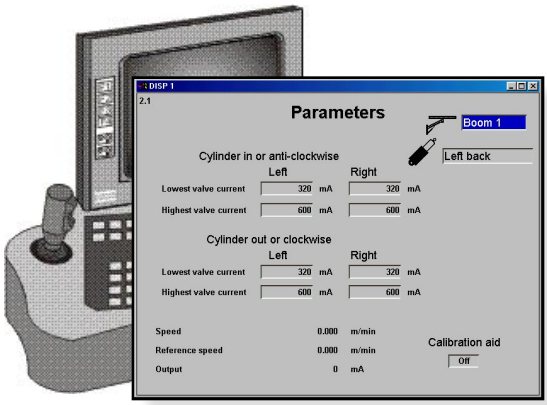
Differences in settings



DCS



ECS

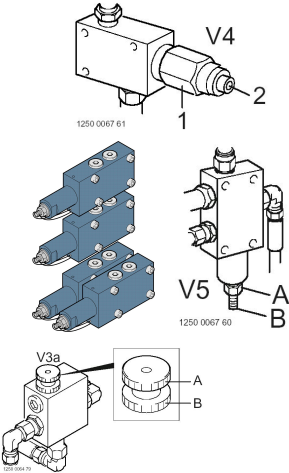


RCS

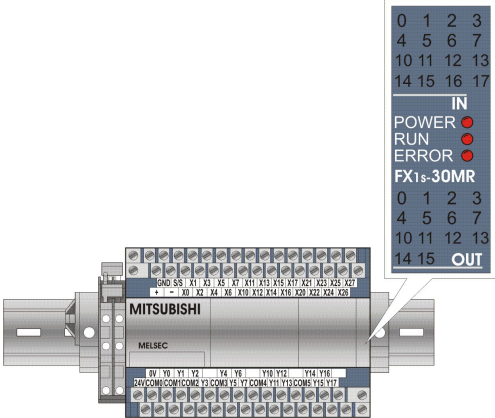
ECS-DCS-RCS

Differences in design

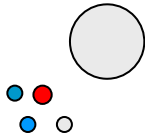
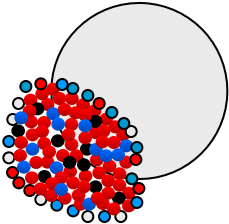
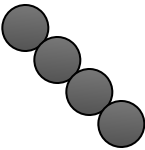
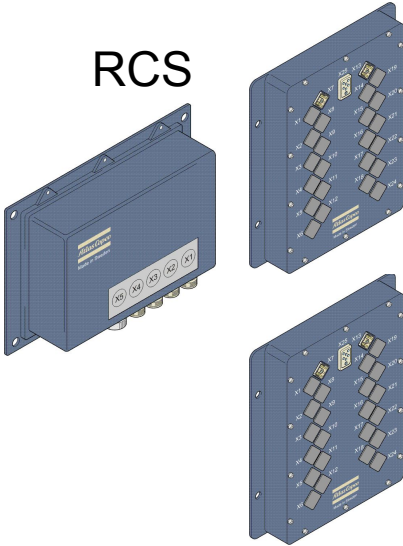
DCS



ECS



RCS

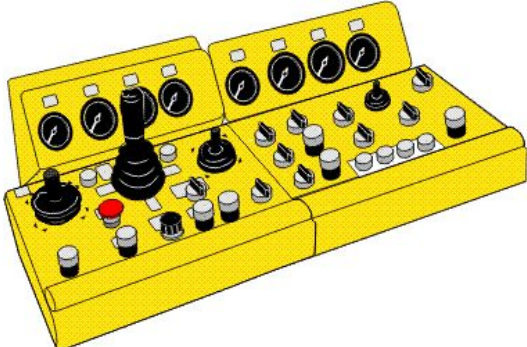


DCS-ECS-RCS

Differences on design of the control panel



DCS



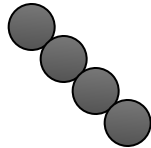
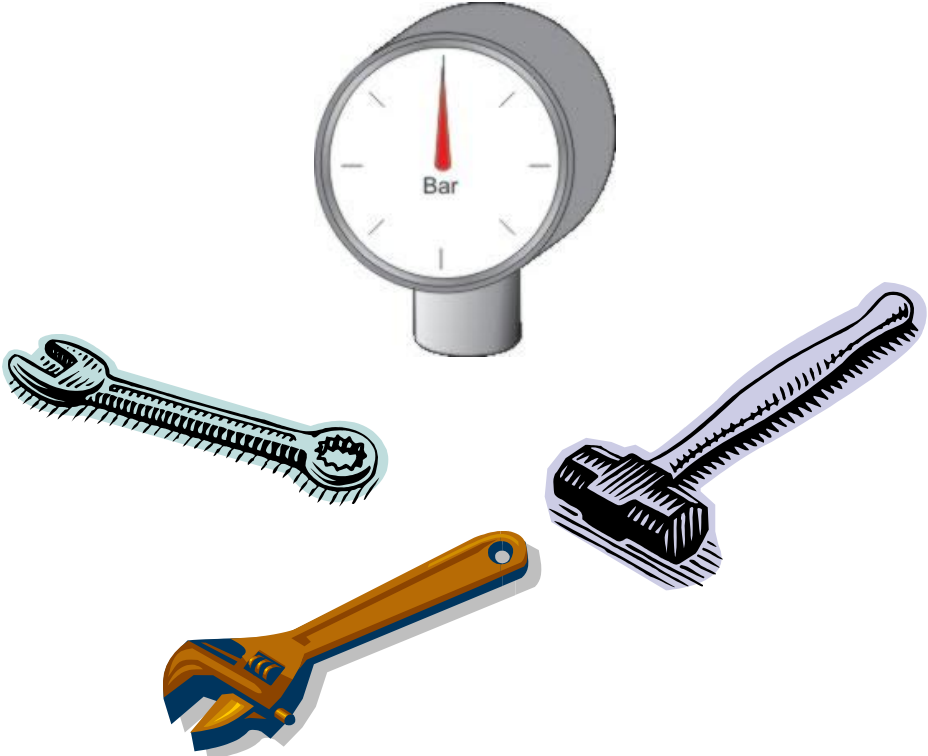
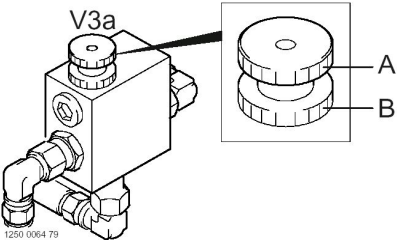
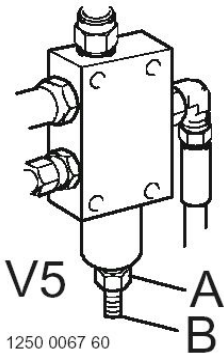
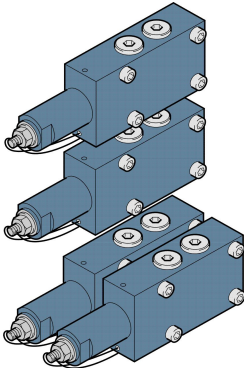
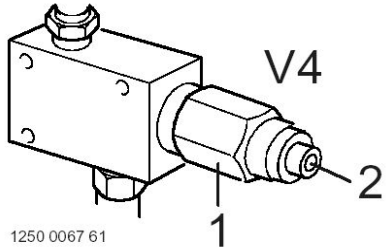
ECS



RCS

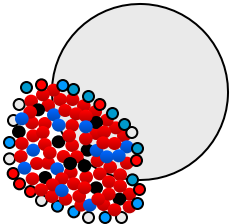
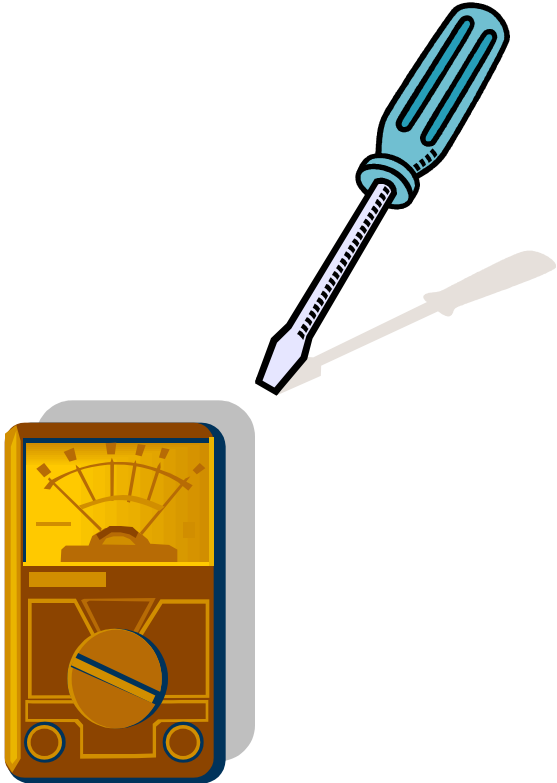
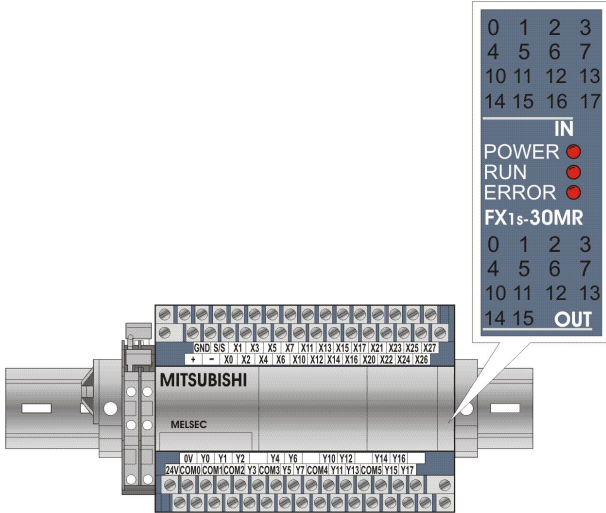
Fault finding DCS

Direct Control System



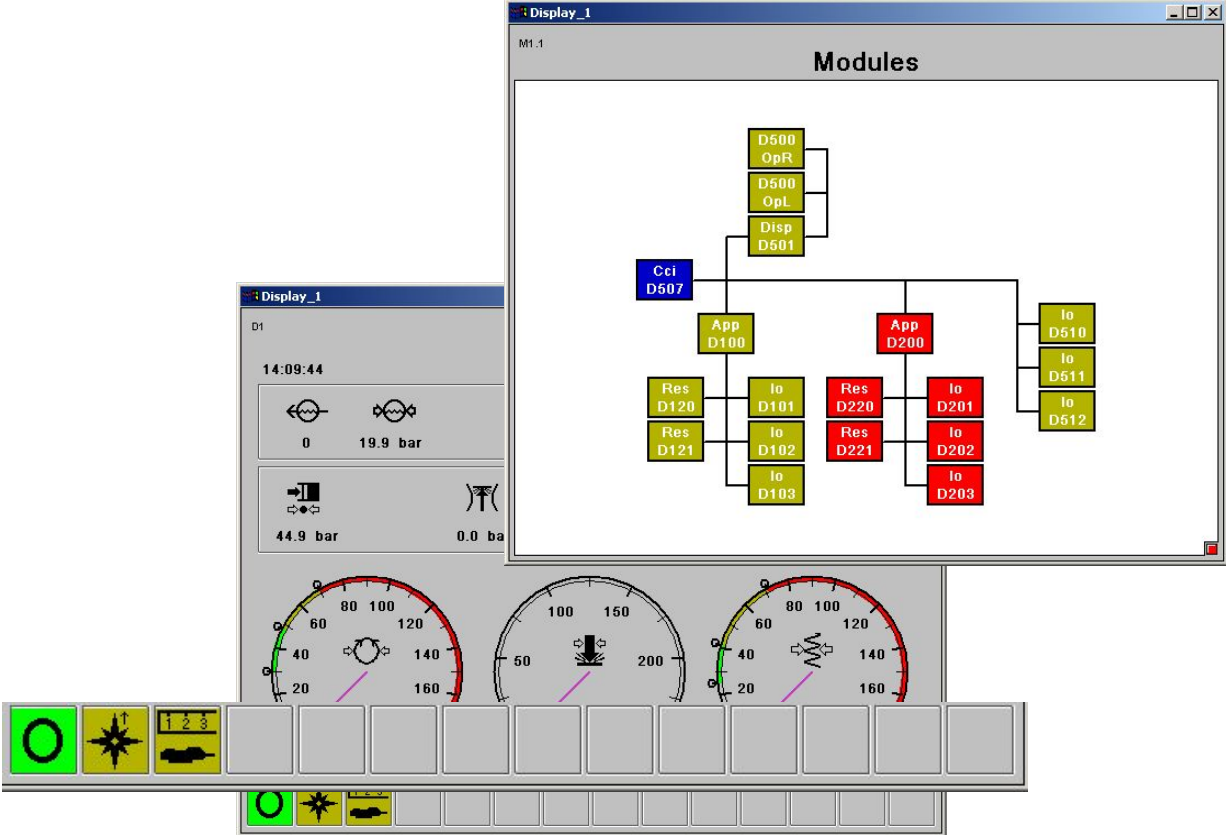
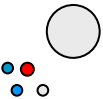
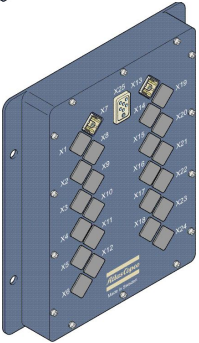
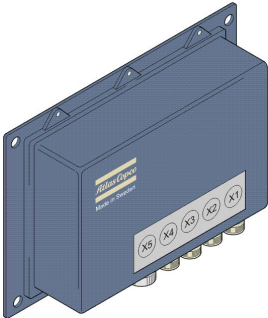
Fault finding ECS

The principle of the Direct Control System

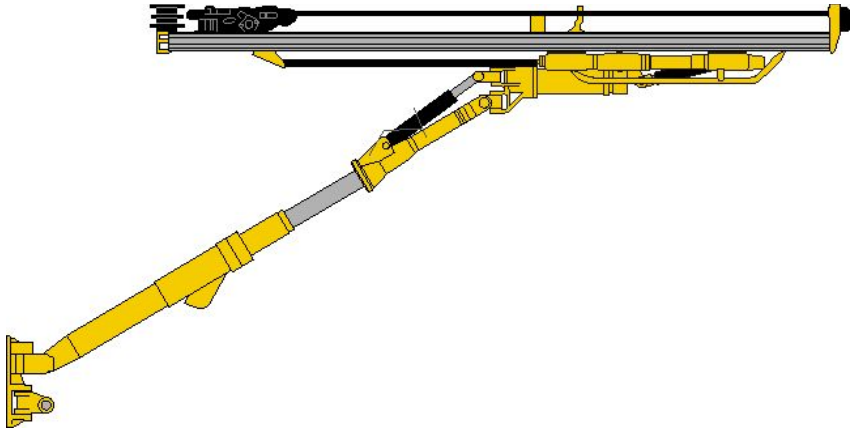
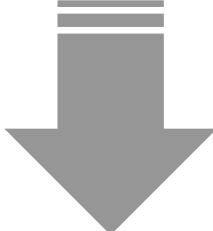
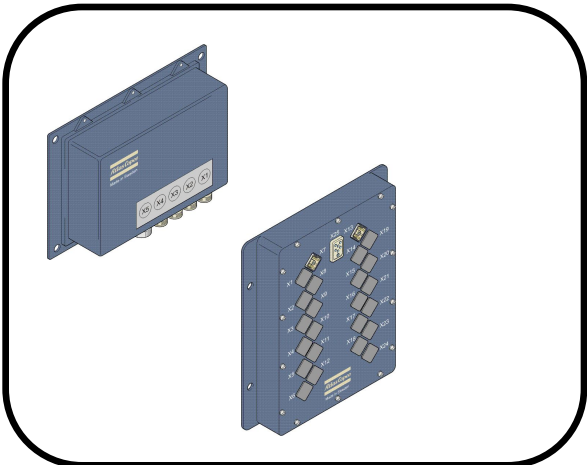
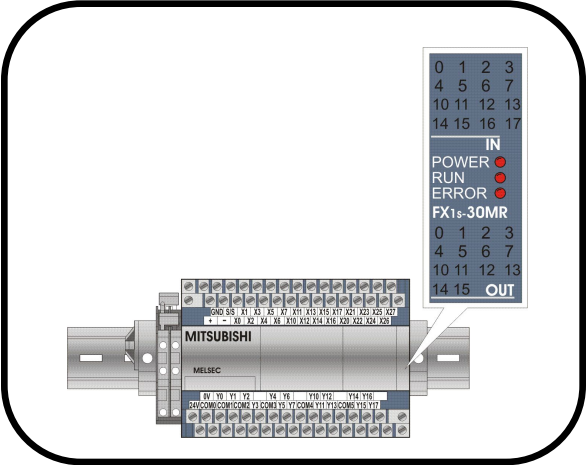
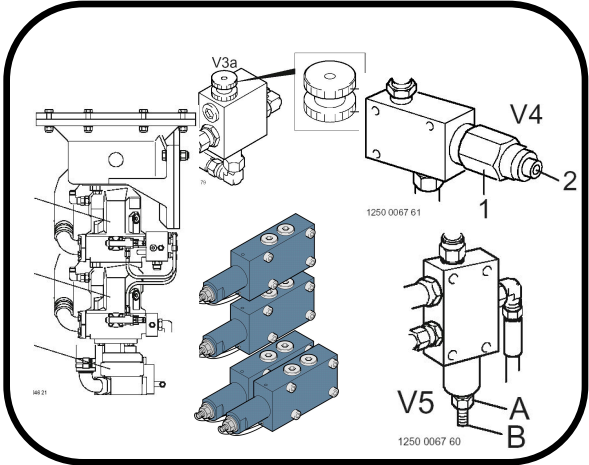


Fault finding RCS

The principle of the Direct Control System



Summary



**We are committed to your
superior productivity through
interaction and innovation.**



Atlas Copco

