ROBOTICS

Product manual

IRC5 Panel Mounted Controller



The control module contains the computer unit, communication interfaces, FlexPendant connection, service ports and also the system software which includes all basic functions for operation and programming.

The drive module contains the drive system.

Note

When replacing a unit in the controller, report to ABB:

- the serial number
- article number
- revision

of both the replaced unit and the replacement unit.

This is particularly important for the safety equipment to maintain the safety integrity of the installation.

Equipment

The following parts can be delivered with the IRC5 Panel Mounted Controller:

Part. no.	Description	Note
3HAC024244-005	Ethernet cable	Standard
3HAC027818-001	Connection Power supply	Standard
3HAC037824-001	Mains line filter (PMC small)	Standard for PMC small
3HAC024322-001	Mains line filter (PMC large)	Standard for PMC large
3HAC027201-001	Transformer unit	Standard
3HAC028357-001	GTPU 3, 10m cable	Option 701-1 and 701-3
3HAC031683-004	TPU cable, 30m	Option 701-3
3HAC021914-001	Harness - TPU jumper plug	Option 702-1
3HAC14178-1	Customer I/O power supply DSQC 609	Option 727-1
3HAC13398-2	Power supply	Option 728-1
3HAC025600-005	Harness - Drive/Control 4m	Option 761-1
3HAC038406-001	Fan unit	Standard for PMC large Option 882-1 for PMC small
3HAC026486-001	Additional module Digital 24V	Option 816-1
3HAC2588-2	Additional unit Que TRack unit	Option 826-1
3HAC038403-001	EPS board	Option 810-1
3HAC038402-001	SafeMove board	Option 810-2
3HAC024180-001	Multi volt transformer	Option 931-1

Continues on next page

© Copyright 2007-2026 ABB. All rights reserved.

	Spare part no.	Description	Type
D	3HAC045973-001	DeviceNet Slave Fieldbus Adapter	DSQC1004
E	3HAC043383-001	DeviceNet Master/Slave PCIexpress	DSQC1006
E	3HAC044872-001	PROFIBUS-DP Master PCIexpress	DSQC1005
F	3HAC026525-001	Fan	-
-	3HAC14944-1	RS-232/422 Converter	DSQC 615

Miscellaneous parts

The table below shows parts in the recommended spare part list.

	Spare part no.	Description	Note
	3HAC029105-001	Fan	
	3HAC037824-001	Line filter for PMC small	
	3HAC024322-001	Line filter for PMC large	
	3HAC037015-001	Transformer unit 400-480V	1.2 kVA
	3HAC037016-001	Transformer unit 200-220V	4.2 kVA
	3HAC037017-001	Transformer unit 400V	4.2 kVA
	3HAC037018-001	Transformer unit 440-600V	4.2 kVA
	3HAC024180-001	Transformer unit 200-600V	6 kVA
	3HAC024138-001	Transformer unit 200-600V	13 kVA
	3HAC024144-001	Inductor (Reactor unit)	
	3HAC024125-001	Harness-XP10/T1	
	2CDS253001R0104	3-pol automatic fuse	
	1SCA02235R6610	Switch	
	3HAC026222-003	Main switch	
	3HAC026222-003	Handle for 6 mm switch	
	3HAC021914-001	Harness-TPU Jumper plug	
	3HAC14178-1	Customer I/O Power supply	DSQC 609
	3HNE 01586-1	Conveyor Tracking Unit	DSQC 377B
	3HNA027579-001	CTM-01 Conveyor Tracking Module	DSQC2000

© Copyright 2007-2026 ABB. All rights reserved.