

## Data sheet

CP 342S IBS, dual INTERBUS master SPEED-Bus (342-2IA71)

## **Technical data**

Type         CP 3428 IBS, dual INTERBUS master SPEED-Bus           General Information         Note           Features         Dual INTERBUS master SPEED-Bus SPEED-Bus SPEED-Bus SPEED-Bus Pulpopatic via LEDa Diagnostic via LEDA VIA VIA VIA VIA VIA VIA VIA VIA VIA VI	Order no.	342-2IA71
Note         -           Features         Desponsition of which a LDDs Desponsition of which a	Туре	CP 342S IBS, dual INTERBUS master SPEED-Bus
Features Particles Particl	General information	
SPEED-Bus personal service (S.R.M.45) Diagnostic via LEDs Diagnost	Note	
Current consumption/power loss           Current consumption from backplane bus         1 A           Power loss         4.5 W           Status information, alarms, diagnostics           Status display         yes           Interrupts         no           Process alarm         no           Diagnostic interrupt         no           Diagnostic interrupt         no           Diagnostic interrupt         no           Supply voltage display         yes           Group error display         yes           Chancel error display         yes           Chancel error display         yes           Type of interfaces         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MPI (MPIRS232)         -           Point-to-point interface         -           6V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         x3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes <td>Features</td> <td>SPEED-Bus 2x RS422 Diagnostic via LEDs Diagnostic device (2x RJ45) Dual Port Master</td>	Features	SPEED-Bus 2x RS422 Diagnostic via LEDs Diagnostic device (2x RJ45) Dual Port Master
Current consumption from backplane bus         1.A           Power loss         4.5 W           Status Information, alarms, diagnostics           Status display         yes           Interrupts         no           Process alarm         no           Diagnostic interrupt         no           Diagnostic functions         no           Diagnostic information read-out         none           Supply voltage display         yes           Group error display         yes           Channel error display         none           Functionality Sub-D interfaces           Type         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MPI (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         xa           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically	SPEED-Bus	yes
Power loss	Current consumption/power loss	
Status Information, alarms, diagnostics           Status display         yes           Interrupts         no           Process alarm         no           Diagnostic interrupt         no           Diagnostic functions         no           Diagnostics information read-out         none           Supply voltage display         yes           Group error display         yes           Channel error display         none           Functionality Sub-D interfaces         X2           Type         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MPI(MPI/RS232)         -           Point-to-point interface         -           V DC Power supply         ax           24V DC Power supply         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MPI         -           MPI         -           MPI         -           MPI         -     <	Current consumption from backplane bus	1 A
Status display         yes           Interrupts         no           Process alarm         no           Diagnostic interrupt         no           Diagnostic information read-out         none           Supply voltage display         yes           Group error display         yes           Channel error display         none           Functionality Sub-D Interfaces           Type         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2 (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MP1         -           MP2         -           MP3 (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         -           MP4 (MPI/RS232)         -	Power loss	4.5 W
Interrupts no no Process alarm no Diagnostic interrupt no Diagnostic functions none Supply voltage display yes Croup error display yes Channel error display none  Functionality Sub-D interfaces Type X2 Type of interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes MPI	Status information, alarms, diagnostics	
Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostic functions none Supply voltage display yes Group error display yes Channel error display none  Functionality Sub-D interfaces Type 1 X2 Connector Sub-D, 9-pin, female Electrically isolated yes Functionality Sub-D interface :  MP2I (MP/IRS232) - Point-to-point interface :  Type 0 X3 Type 0 X2 Type 0 X3 Type 0 X3 Type 0 X3 Type 0 X4 Type 0 X	Status display	yes
Diagnostic interrupt         no           Diagnostic functions         no           Diagnostics information read-out         none           Supply voltage display         yes           Group error display         yes           Channel error display         none           Functionality Sub-D interfaces         Type           Type         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MPI (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Interrupts	no
Diagnostic functions         no           Diagnostics information read-out         none           Supply voltage display         yes           Group error display         none           Functionality Sub-D interfaces           Type         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         X3           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2 (MPI/RS232)         -           Point-to-point interface         -           Sub-D, 9-pin, female         -           Electrically isolated         yes           MP1         -           MP2         -           MP3         -           MP4         -           MP5	Process alarm	no
Diagnostics information read-out none  Supply voltage display yes  Group error display yes  Channel error display none  Functionality Sub-D interfaces  Type X2  Type X2  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI  MPAI (MPI/RS 232)  Type X3  Type X3  Type X3  Type MS X2  Fornector Sub-D, 9-pin, female  Electrically isolated yes  MRI  Type max. 90mA isolated and max. 90mA non-isolated  MPI Sub-D, 9-pin, female  Electrically isolated  MPI  MP	Diagnostic interrupt	no
Supply voltage display yes Group error display yes Channel error display none  Functionality Sub-D interfaces Type X2 Type of interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes MPI	Diagnostic functions	no
Group error display yes Channel error display none  Functionality Sub-D interfaces  Type X2  Type interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI	Diagnostics information read-out	none
Channel error display         none           Functionality Sub-D interfaces         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP4I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Supply voltage display	yes
Functionality Sub-D interfaces           Type         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MPal (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2 (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Group error display	yes
Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MPI (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2 (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Channel error display	none
Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Functionality Sub-D interfaces	
Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI  MP <sup>2</sup> I (MPI/RS232)  Point-to-point interface  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated  24V DC Power supply  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI  MP <sup>2</sup> I (MPI/RS232)  Point-to-point interface  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	Туре	X2
Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Type of interface	RS422
MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Connector	Sub-D, 9-pin, female
MP2I (MPI/RS232) Point-to-point interface - 5V DC Power supply max. 90mA isolated and max. 90mA non-isolated  24V DC Power supply - Type X3 Type of interface RS422  Connector Sub-D, 9-pin, female Electrically isolated MPI - MP2I (MPI/RS232) Point-to-point interface - 5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	Electrically isolated	yes
Point-to-point interface - 5V DC Power supply max. 90mA isolated and max. 90mA non-isolated 24V DC Power supply -  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP2I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	MPI	-
5V DC Power supply  -  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	MP²l (MPI/RS232)	-
24V DC Power supply  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	Point-to-point interface	-
Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	5V DC Power supply	max. 90mA isolated and max. 90mA non-isolated
Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	24V DC Power supply	-
Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated		
Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	Туре	X3
Electrically isolated     yes       MPI     -       MP²I (MPI/RS232)     -       Point-to-point interface     -       5V DC Power supply     max. 90mA isolated and max. 90mA non-isolated	Type of interface	RS422
MPI	Connector	Sub-D, 9-pin, female
MP²I (MPI/RS232) - Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	Electrically isolated	yes
Point-to-point interface - 5V DC Power supply max. 90mA isolated and max. 90mA non-isolated		-
5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	MP²l (MPI/RS232)	-
	Point-to-point interface	•
24V DC Power supply -		max. 90mA isolated and max. 90mA non-isolated
	24V DC Power supply	-

## **YASKAWA**

Functionality RJ45 interfaces	
Туре	DIAG 1
Type of interface	-
Connector	RJ45
Electrically isolated	-
PG/OP channel	•
Number of connections, max.	
Productive connections	•
Fieldbus	-
Туре	DIAG 2
Type of interface	-
Connector	RJ45
Electrically isolated	-
PG/OP channel	-
Number of connections, max.	-
Productive connections	-
Fieldbus	-
Housing	
Material	PPE
Mounting	DIN rail SPEED-Bus
Mechanical data	
Dimensions (WxHxD)	40 mm x 125 mm x 120 mm
Net weight	260 g
Weight including accessories	-
Gross weight	-
Environmental conditions	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	
KC certification	-

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