

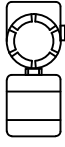
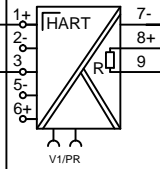






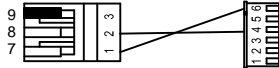

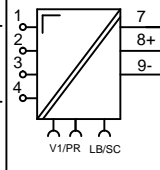






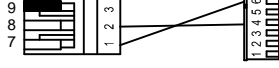





































Name	Note	Part No.
X1A, X1B	40-pin male system connector YO40 (for KS system cable)	-----
X2	26-pin male HART connector	-----
KFD0-LC1-16M	Label carrier (optional, to be ordered separately)	-----
X20.3 ... 6	Power supply pluggable screw terminals: 3,5 (+) 4,6 (-) Core cross-section: 0.25 ... 2.5 mm ² (24 ... 12 AWG)	-----
X20.1, X20.2	Alarm screw terminal: contact loading 30 V DC, 1 A	-----
F1, F2	Fuse 2 A, in each case for 16 modules	-----
PW1, PW2	Motherboard power supply ON (green LED)	-----
FF1, FF2	Motherboard power supply FAULT (red LED)	-----
X0.1 ... 16	FSY-L640-108873	108873

Motherboard name according to the recommended KF- module type					
Motherboard without KF-Module	KF-Module type (function)	F.	Module Slot No.	FSY Cable Type	Board Slot No.
MB-C3-AI16-KS-131961	KFD2-STC4-Ex1	AI	Module 1 ... 16	FSY-L640-108873	X0.1 ... 16
MB-C3-AI16-KS-131961	KFD2-UT2-Ex1 (*)	AI	Module 1 ... 16	FSY-L640-108873	X0.1 ... 16

Yokogawa Centum CS3000 R3 Analog Input Type AAI141 / AAI143

(*) No HART communication

The equivalent non I.S. barrier devices may also be used

Field	Module	FSY-	X0.	Y1		X2	X1B	X1A	Ch.	Module and cable types
	 1		 1						IN1B IN1A	AI Module type: KFD2-STC4-Ex1 FSY- Cable type: FSY-L640-108873 KF-Module terminal no.: 
	 2		 2						IN2B IN2A	AI Module type: KFD2-UT2-Ex1 FSY- Cable type: FSY-L640-108873 KF-Module terminal no.:  No HART communication
			 3						IN3B IN3A	
			 4						IN4B IN4A	
			 5						IN5B IN5A	
			 6						IN6B IN6A	
			 7						IN7B IN7A	
			 8						IN8B IN8A	
										

Y1: 25



PEPPERL+FUCHS
Singapore

Motherboard Unit
Analog Input + HART
16 Channels - redundant
MB-C3-AI16-KS-131961

Respons.: SG.WM

Date: 2-Jun-16

Scale: 1:2

Approved: DP.HH

36-7605E

Sheet 2

Norm:

of 3

Field	Module	FSY-	X0.	Y1	X2	X1B	X1A	Ch.
	9	Y1: 24	4, 5, 6, 1, 2, 3	25, 26, 27, 85, 86, 87	16	23, 24	23, 24	IN9B IN9A
	10		4, 5, 6, 1, 2, 3	28, 29, 30, 88, 89, 90	17	21, 22	21, 22	IN10B IN10A
	11		4, 5, 6, 1, 2, 3	31, 32, 33, 91, 92, 93	18	19, 20	19, 20	IN11B IN11A
	12		4, 5, 6, 1, 2, 3	34, 35, 36, 94, 95, 96	19	17, 18	17, 18	IN12B IN12A
	13		4, 5, 6, 1, 2, 3	37, 38, 39, 97, 98, 99	20	15, 16	15, 16	IN13B IN13A
	14		4, 5, 6, 1, 2, 3	40, 41, 42, 100, 101, 102	21	13, 14	13, 14	IN14B IN14A
	15		4, 5, 6, 1, 2, 3	43, 44, 45, 103, 104, 105	22	11, 12	11, 12	IN15B IN15A
	16		4, 5, 6, 1, 2, 3	46, 47, 48, 106, 107, 108	23	9, 10	9, 10	IN16B IN16A
		(24 V DC) X20: 3,5		49... 51	1... 5	1	1 CBSE	
		(0 V) X20: 4,6		52... 54	14, 15	2	2 CBSE	
		Ground metal mounting plate		55	24... 26	3.. 8	3.. 8 n.c	
		RB-V1		56				
		RB-V2		57				
		LB/SC		58				
		PF1		59				
		PF2		60				
								<p>Loop for channel 1</p> <p>common for 16 channels</p>
								<p>Power Supply Fault & Relay K1</p> <p>Alarm</p> <p>X20</p>



PEPPERL+FUCHS
 Singapore

Motherboard Unit
 Analog Input + HART
 16 Channels - redundant
MB-C3-AI16-KS-131961

Respons.: SG.WM

Date: 2-Jun-16

Scale: 1:2

Approved: DP.HH

36-7605E

Sheet 3

Norm:

of 3