IQAN® Accessories

Electronic Control Systems

Catalogue MSG17-8319/UK

Parker Hannifin
Mobile Hydraulic Systems Division Europe
Mölnlycke, Sweden
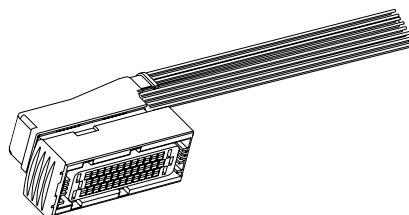
2

Electronic Control Systems
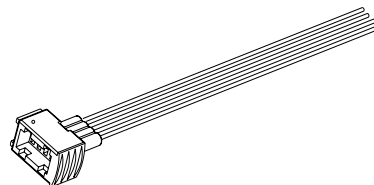**IQAN Accessories**
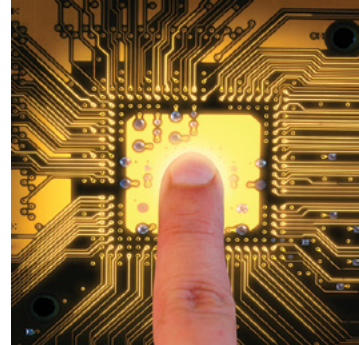
Prototype installation cables

5030030
C1-cable: 2,5 meters, fits to IQAN-XP2, -XT2,
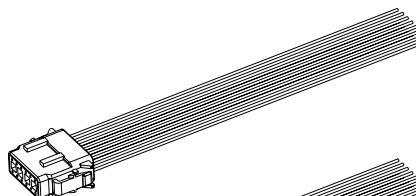(-TOC8, -XA2, -XS2, -MC2 with minor modification)

5030094
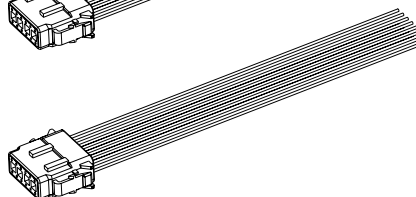4 pin JPT: 2,5 meters, fits to IQAN-LSL, -LST (-S)

5030125
C1-cable: 2,5 meters, fits to IQAN-MD3, -MD4,
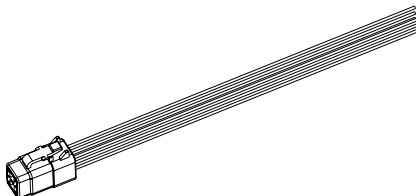-G1, -LC5-C0x; Grey, key A

5030126
C2-cable: 2,5 meters, fits to IQAN-MD3, -MD4
Black, key B

5030127
C1-cable: 2,5 meters, fits to IQAN-LC5-X05,
-LC5-C0x

5030216
C1-cable: 2,5 meters, fits to IQAN-MC3
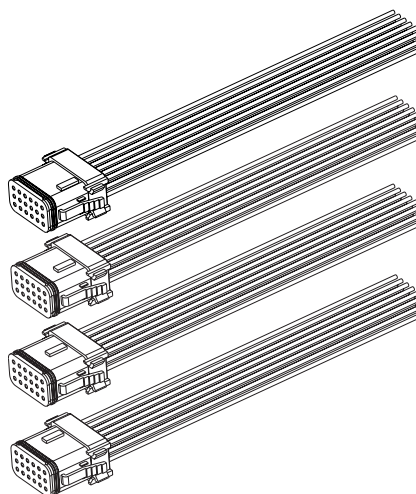Black, key A (for power, CAN and outputs)

5030217
C2-cable: 2,5 meters, fits to IQAN-MC3
Black, key B (for inputs and VREF)

5030218
C3-cable: 2,5 meters, fits to IQAN-MC3
Black, key C (for inputs and VREF)

5030219
C4-cable: 2,5 meters, fits to IQAN-MC3
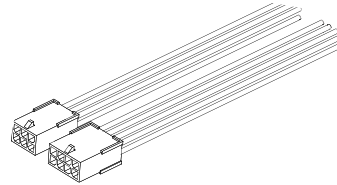Black, key D (for outputs)

Catalogue MSG17-8319/UK

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3

Electronic Control Systems
IQAN Accessories

Prototype installation cables

20077763
C1-C2 cables: 1,5 meters, fits to IQAN-LC6-X05

20077777
C1-C4 cables: 1,5 meters, fits to IQAN-XC21
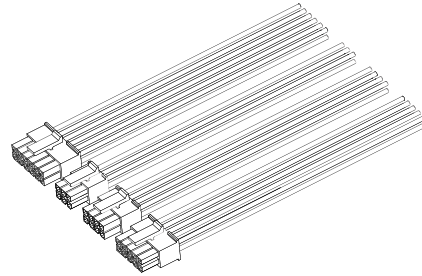
20085102
C1-C2 cables: 2,5 meters, fits to IQAN-XC10,
Black & white Ampseal
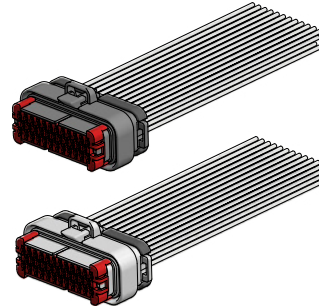
20085116
C1 cable: 66 pos. 2,5 meters, fits to IQAN-MC42,
IQAN-MC43

Note: positions 5, 6, 21, 22, 33, 34, 49, 50, 61-64 are plugged
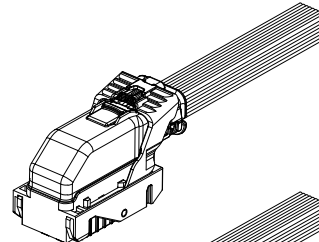
20085117
C2 cable: 73 pos. 2,5 meters, fits to IQAN-MC43

Note: positions 69-72 are plugged
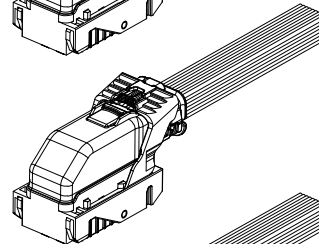
20085124
C1 cable: 66 pos. 2,5 meters, fits to IQAN-MC41

*Note: positions 3, 5, 6, 16, 19, 21, 22, 30-34, 41-44, 49, 50,
57-64 are plugged*
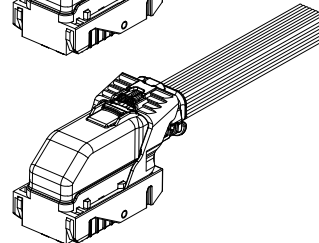
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4

Electronic Control Systems
IQAN Accessories

Communication cables

5030124
Panel mount USB adapter cable: 0,4 meter, fits to
IQAN-MC2, -MD3
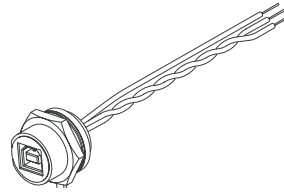
20077744
Power/CAN cable: 2,0 meters, fits to IQAN-G3
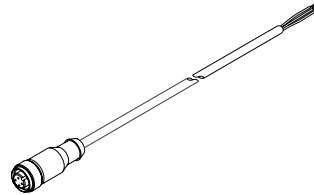
20077780
Ethernet cable: 1,5 meters, fits to IQAN-MD4
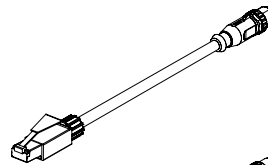
20077785
Panel mount Ethernet adapter cable: 1,5 meter,
fits to IQAN-MD4

Catalogue MSG17-8319/UK

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5

Electronic Control Systems
IQAN Accessories
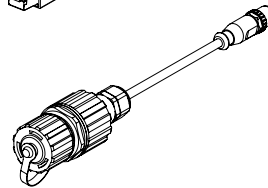
System cables / miscellaneous

2830018
IQAN-LL to IQAN-LC5-C02 adapter cable,
for replacing -LL joysticks with -LC5-C02 joysticks
in existing installations, 0.3 meters
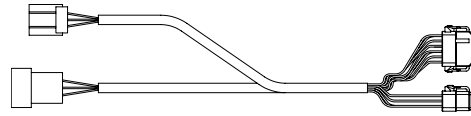
20085105
IQAN-G3 modem/GPS antenna, low profile,
threaded mount with 2 cables, SMA connector
and FME connector, for implementing remote
diagnostics in IQAN systems, 3 meters
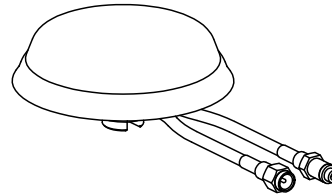
20077778
Steel (painted black) mounting bracket, adapts
RAM™ or Southco swivel mounts to IQAN-MD4-7.
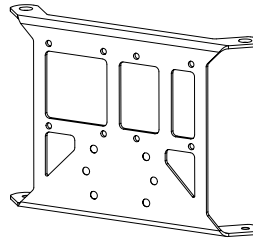
20077779
Steel (painted black) mounting bracket, adapts
RAM™ or Southco swivel mounts to IQAN-MD4-5.

20077790
Larger plastic ring for 4th axis control of the IQAN-
LC6-X05 joystick handle. Fits over existing ring.

Catalogue MSG17-8319/UK

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6

Electronic Control Systems
IQAN Accessories

Address and termination

Address units (Id-Tags)
AMP/Tyco terminals, fits to IQAN-Lx, -XP2, -XT2, -XA2, -XS2
Deutsch DTM terminals, fits to IQAN-LC5-C0x, -MD3, -MD4
Deutsch DT terminals, fits to IQAN-MC3, -MC31
Molex MF 3.0 terminals, fits to IQAN-XC21
Molex MX64 terminals, fits to IQAN-MC41, -MC42, -MC43

AMP/Tyco

Deutsch DTM

Note: for MX64 address above 4/4T, modify other Id-Tag

Address Id-Tags (10 pack)

Address	Resistance (ohms)	AMP/Tyco Ordering No.	Deutsch DTM Ordering No.	Deutsch DT Ordering No.	Molex MF 3.0 Ordering No.	Molex MX64 Ordering No.
0	294	5030060	5030160	20085050	20085020	20085130
1	590	5030061	5030161	20085051	20085021	20085131
2	976	5030062	5030162	20085052	20085022	20085132
3	1.5K	5030063	5030163	20085053	20085023	20085133
4	2.23K	5030064	5030164	20085054	20085024	n/a
5	3.36K	5030065	5030165	20085055	20085025	n/a
6	5.3K	5030066	5030166	20085056	20085026	n/a
7	9.53K	5030067	5030167	20085057	20085027	n/a

Address with termination Id-Tags (10 pack)

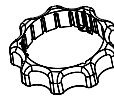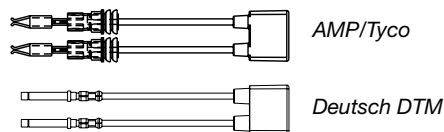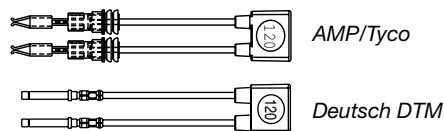| Address	Resistance (ohms)	AMP/Tyco Ordering No.	Deutsch DTM Ordering No.	Deutsch DT Ordering No.	Molex Micro-Fit Ordering No.	Molex MX64 Ordering No.
0T	432	5030070	5030170	20085060	20085030	20085140
1T	768	5030071	5030171	20085061	20085031	20085141
2T	1.21K	5030072	5030172	20085062	20085032	20085142
3T	1.82K	5030073	5030173	20085063	20085033	20085143
4T	2.74K	5030074	5030174	20085064	20085034	n/a
5T	4.17K	5030075	5030175	20085065	20085035	n/a
6T	6.9K	5030076	5030176	20085066	20085036	n/a
7T	14K	5030077	5030177	20085067	20085037	n/a

Termination unit
CAN Bus termination, available in all terminal types
sold in 10-pack only.

AMP/Tyco

Deutsch DTM

Termination Tag

Function	Resistance (ohms)	AMP/Tyco Ordering No.	Deutsch DTM Ordering No.	Deutsch DT Ordering No.	Molex Micro-Fit Ordering No.	Molex MX64 Ordering No.
Termination	120	5030083	5030183	20085068	20085038	20085148

Catalogue MSG17-8319/UK

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7

Electronic Control Systems
IQAN Accessories

Connector kits

Temperature sensor (legacy)
Part / Ordering No: **5031007**

Part	pcs.	AMP No.
Housing	1	963040-3
Contact JPT	2	929940-1
Seal JPT	2	828904-1

IQAN-X_2, -TOC8, -MDL2, -MC2
Part / Ordering No: **5031063**

Part	pcs.	AMP No.
Housing	1	1-963226-1
Contact JPT	6	929929-1
Contact MT	36	963711-2
Seal JPT	6	828905-1
Seal MT	36	963530-1
Cover	1	962371-1

IQAN-SP035, -SP500, -ST (-B)
Part / Ordering No: **5031086**

Part	pcs.	AMP No.
Housing	1	282191-1
Contact JPT	3	929940-1
Seal JPT	3	828904-1

IQAN-LSL-E0-//-Lx (-D)
IQAN-LSL-E1-//-// (-D)
(switch or detent option)
Part / Ordering No: **5035014**

Part	pcs.	Deutsch No.
Housing	1	DT06-6S-CE06
Wedge	1	W6S-P012
Contact	6	1062-16-0122

IQAN-LSL-E1-//-Lx (-D)
(switch and detent options)
Part / Ordering No: **5035015**

Part	pcs.	Deutsch No.
Housing	1	DT06-08SA-CE06
Wedge	1	W8S-P012
Contact	8	1062-16-0122

IQAN-LSL, -LST (-S)
Part / Ordering No: **5031097**
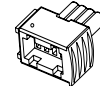
Part	pcs.	AMP No.
Housing	1	1-963207-1
Contact JPT	4	929940-1
Seal JPT	4	828904-1

IQAN-LSL, -LST (-D)
Part / Ordering No: **5031113**
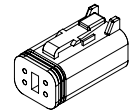
Part	pcs.	Deutsch No.
Housing	1	DT06-4S-C015
Wedge	1	W4S-P012
Contact	4	1062-16-0122

Sensors: FP4000, ATS90
Part / Ordering No: **5035012**
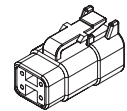
Part	pcs.	Deutsch No.
Housing	1	DTM06-4S
Wedge	1	WM4S
Contact	4	1062-20-0222
Seal plug	4	0413-204-2005

IQAN-LC5-X05, C1
IQAN-LC5-C0x, C1 or C3
Sensors: RS60, RS70, ACC100
Part / Ordering No: **20072408**
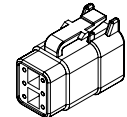
Part	pcs.	Deutsch No.
Housing	1	DTM06-6S
Wedge	1	WM6S
Contact	6	1062-20-0222
Seal plug	6	0413-204-2005

IQAN-LC5-C0x, C1, C2 & C3
Part / Ordering No: **5035007**
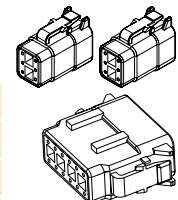
Part	pcs.	Deutsch No.
Housing	2	DTM06-6S
Wedge	2	WM6S
Housing	1	DTM06-12SA
Wedge	1	WM12S
Contact	24	1062-20-0222
Seal plug	24	0413-204-2005

Catalogue MSG17-8319/UK

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8

Electronic Control Systems
IQAN Accessories

Connector kits

IQAN-LC5-X05-MP handle, 6 position
Part / Ordering No: **5035017**
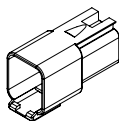
Part	pcs.	Deutsch No.
Housing	1	DTM04-6P
Wedge	1	WM6P
Contact	6	1060-20-0222
Seal plug	6	0413-204-2005

IQAN-LC5-X05-MP handle, 12 position
Part / Ordering No: **5035018**

Part	pcs.	Deutsch No.
Housing	1	DTM04-12PA
Wedge	1	WM12P
Contact	12	1060-20-0222
Seal plug	12	0413-204-2005

IQAN-LC6-X05, C1-C2
Part / Ordering No: **20077764**
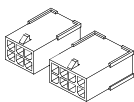
Part	pcs.	Molex No.
Housing	1	43020-0801
Housing	1	43020-0601
Contact	14	43031-0008

IQAN-MC3, -MC31, C1-C4
Part / Ordering No: **5035016**

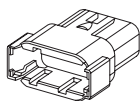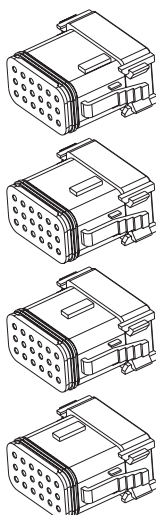| Part	pcs.	Deutsch No.
Housing	1	DT16-18SA
Housing	1	DT16-18SB
Housing	1	DT16-18SC
Housing	1	DT16-18SD
Contact	72	1062-16-0122
Seal plug	24	114017

Sensors: RF50, RF55, RS52, RS53, GS50, GS60, ATS50, ADS50, ACC50
Part / Ordering No: **5035011***

Part	pcs.	Deutsch No.
Housing	1	DTM06-3S
Wedge	1	WM3S
Contact	3	1062-20-0222

* -same as kit 01787ECD

IQAN-G1, C1, grey
Part / Ordering No: **20072406**

Part	pcs.	Deutsch No.
Housing	1	DTM06-12SA
Wedge	1	WM12S
Contact	12	1062-20-0222
Seal plug	12	0413-204-2005

IQAN-XC21, C1-C4
Part / Ordering No: **20077776**

Part	pcs.	Molex No.
Housing	1	43025-1000
Housing	1	43025-0800
Housing	1	43025-0600
Housing	1	43025-1200
Contact	36	43030-0008

IQAN-SV, power (gold contacts)
Part / Ordering No: **20085109**
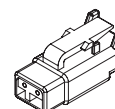
Part	pcs.	Deutsch No.
Housing	1	DTM06-2S
Wedge	1	WM2S
Contact	2	1062-20-0144

Catalogue MSG17-8319/UK

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Mölnlycke, Sweden

9

Electronic Control Systems
IQAN Accessories

Connector kits

IQAN-MD3, -MD4, C1 & C2,
grey & black
Part / Ordering No: **20073081**

Part	pcs.	Deutsch No.
Housing	1	DTM06-12SA
Housing	1	DTM06-12SB
Wedge	2	WM12S
Contact	24	1062-20-0222
Seal plug	24	0413-204-2005
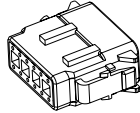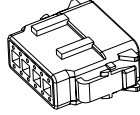
IQAN-MC4x, C1
Part / Ordering No: **20085114**

Part	pcs.	Molex No.
Housing	1	34822-0013
Cover	1	34565-0003
Contact	69	33467-0024
Seal plug	30	34586-0001
Contact	3	7116-4152-02
Seal	3	7158-3113-40
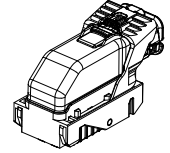
IQAN-MC43, C2
Part / Ordering No: **20085115**

Part	pcs.	Molex No.
Housing	1	34566-0103
Cover	1	34565-0003
Contact	77	33467-0024
Seal plug	30	34586-0001
Contact	2	7116-4152-02
Seal	2	7158-3113-40

Catalogue MSG17-8319/UK

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10

Electronic Control Systems
IQAN Accessories
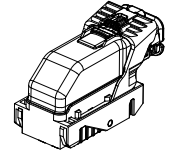
Crimping tools

5031061

IQAN tool kit for AMP/Tyco connectors

Consists of	use with	Color	Part No.
Crimp tool	JPT* no seal	Yellow	5031049[1]
Crimp tool	JPT* with seal	Red	5031050[1]
Crimp tool	MT** seal/no seal	Blue	5031051[1]
Extraction tool kit	All types	All	5035003[2]
Pin box	Spare parts	All	5031057[2]

*Junior Power Timer, ** Micro Timer*
[1] *Not available as separate items, only part of IQAN tool kit*
[2] *Available as separate item*

5035003

Extraction tool kit, included in IQAN tool kit for AMP/Tyco

Consists of	use with	Color	Part No.
Extraction tool	JPT*	Yellow	5031053[1]
Extraction tool	JPT* (for single latch sensor connectors)	Red	5031054[1]
Extraction tool	MT**	Blue	5031055[1]

*Junior Power Timer, ** Micro Timer*
[1] *Not available as separate items, only part of Extraction tool kit*

5031057

Pin box, included in IQAN tool kit for AMP/Tyco

Consists of	Wire size	pcs.	AMP/Tyco No.
JPT* no seal	0.75 mm² (18 AWG)	50	927779-1[1]
JPT* no seal	1.5 mm² (14 AWG)	25	927777-1[1]
JPT* with seal	0.75 mm² (18 AWG)	50	929940-1[1]
JPT* with seal	1.5 mm² (14 AWG)	25	929938-1[1]
JPT* with seal	0.75 mm² (18 AWG)	25	2-963745-1[1]
JPT* seal	0.75 mm² (18 AWG)	50	828904-1[1]
JPT* seal	1.5 mm² (14 AWG)	25	828905-1[1]
JPT* plug	n/a	25	828922-1[1]
MT** no seal	0.75 mm² (18 AWG)	100	962945-2[1]
MT** with seal	0.75 mm² (18 AWG)	100	963711-2[1]
MT** seal	0.75 mm² (18 AWG)	100	963530-1[1]
MT** plug	n/a	100	963531-1[1]

*Junior Power Timer, ** Micro Timer*
[1] *Not available as separate items, only part of Pin box*

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11

Electronic Control Systems
IQAN Accessories

20085120
IQAN tool kit for Molex MX123 connectors

Consists of	use with	Part No.
Crimp frame	All types	n/a[1]
Crimp die set	MX64 0.64 mm contact	20085125[1]
Crimp die set	Yazaki 2.8 mm contact	20085126[1]
Extractor blade handle	All types	n/a[1]
Extractor blade	MX64, Molex p/n: 63813-1400	20085128[1]
Extractor blade	Yazaki p/n: X39899-J374	20085129[1]
Pin box	33467-0024 contacts	n/a[1]
Pin box	34586-0001 sealing plugs	n/a[1]
Pin box	7116-4152-02 contacts	n/a[1]
Pin box	7158-3113-40 seals	n/a[1]

[1] Not available as separate items, only part of IQAN tool kit

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