



Project number	Project name	Date
EX1	EXAMPLE PROJECT #1 2006-2024	30/9/2024

Drawing number	Drawing version	Year of construction
Ex.1	V.2.2.0	2024

Supplier	Customer
3xM AUTOMATION	

Wire specification:

Power cables:

Insulation material PVC and halogen free or PEX,EPR equivalent

Approvals: CE

Signal cables:

Material and type: PVC and halogen free

Approvals: CE

Cable ducts

Material and type: PC-ABS U43X (Halogen free)

Approvals: CE, UL, CSA

Wire colors:

Protective conductor: Yellow/Green

Power circuits: Black

Neutral conductor: Light blue

External control voltage: Orange

24VAC Phase: Red

0VAC Neutral: Red

24VDC (+): Dark blue

0VDC (-): White

Rev	Revision text	Signature	Date
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Last changed by 3xM
Last changed 27/9/2017
Print date 30/9/2024



PROJECT INFORMATION

EXAMPLE PROJECT #1 2006-2024

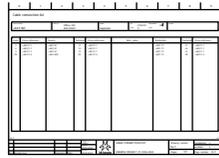
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Pages 16

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Location +
Page number 2

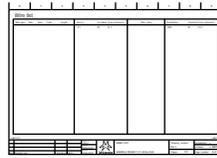
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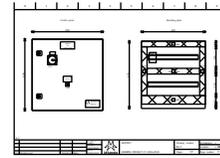
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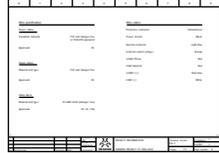
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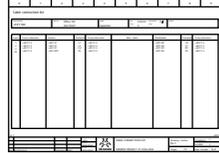
+AK1/3-2



+AK1/7



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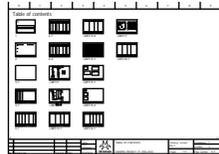
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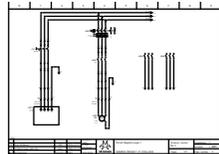
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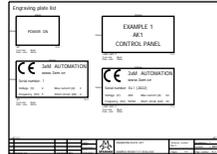
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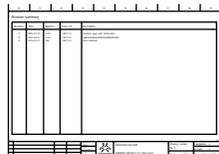
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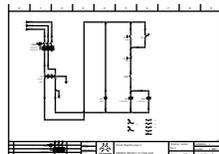
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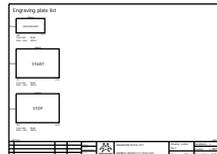
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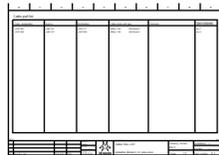
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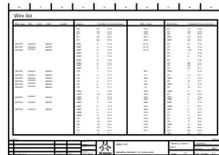
+AK1/2



+AK1/5-2



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+AK1/3-1



+AK1/6-1

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Revision summary

Revision	Date	Signature	Cross-ref.	Description
A	2006-01-29	<init>	+AK1/1.0	Updated page with information
A	2024-05-03	<init>	+AK1/2.4	AAAAAAAAAAAAAAAAAAAAAAAAAAAA
B	2016-07-07	3xM	+AK1/1.0	New database

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				Generated by <init>			REVISION HISTORY		Drawing number		Installation =		
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Cable pull list

Cable designation	Source	Destination	Cable name and type	Comment	Cross-reference cable connection
+EXT-W1	+AK1-X1	+EXT-T1	Öflex 140 4G2.5mm ²		/6-1
+EXT-W2	+AK1-X1	+EXT-M1	Öflex 140 4G2.5mm ²		/6-2

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				Generated by <init>		CABLE PULL LIST	Drawing number	Installation =
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Cable connection list

Cable designation +EXT-W1	Cable type Ölflex 140 4G2.5mm²	Supplier Lappkabel	Size 2,5mm²	Ground/Shield X / -	Comment
			Leads 3	Length	

Lead	Cross-reference	Source	Terminal	Cross-reference	Wire name	Destination	Terminal	Cross-reference
1	+AK1/1.1	+AK1-X1	11	+AK1/1.1		+EXT-T1	L1	+AK1/1.1
2	+AK1/1.1	+AK1-X1	12	+AK1/1.1		+EXT-T1	L2	+AK1/1.1
3	+AK1/1.1	+AK1-X1	13	+AK1/1.1		+EXT-T1	L3	+AK1/1.1
PE	+AK1/1.2	+AK1-XPE	PE	+AK1/1.2		+EXT-T1	PE	+AK1/1.2

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				Generated by <init>		CABLE CONNECTION LIST	Drawing number	Installation =
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Cable connection list

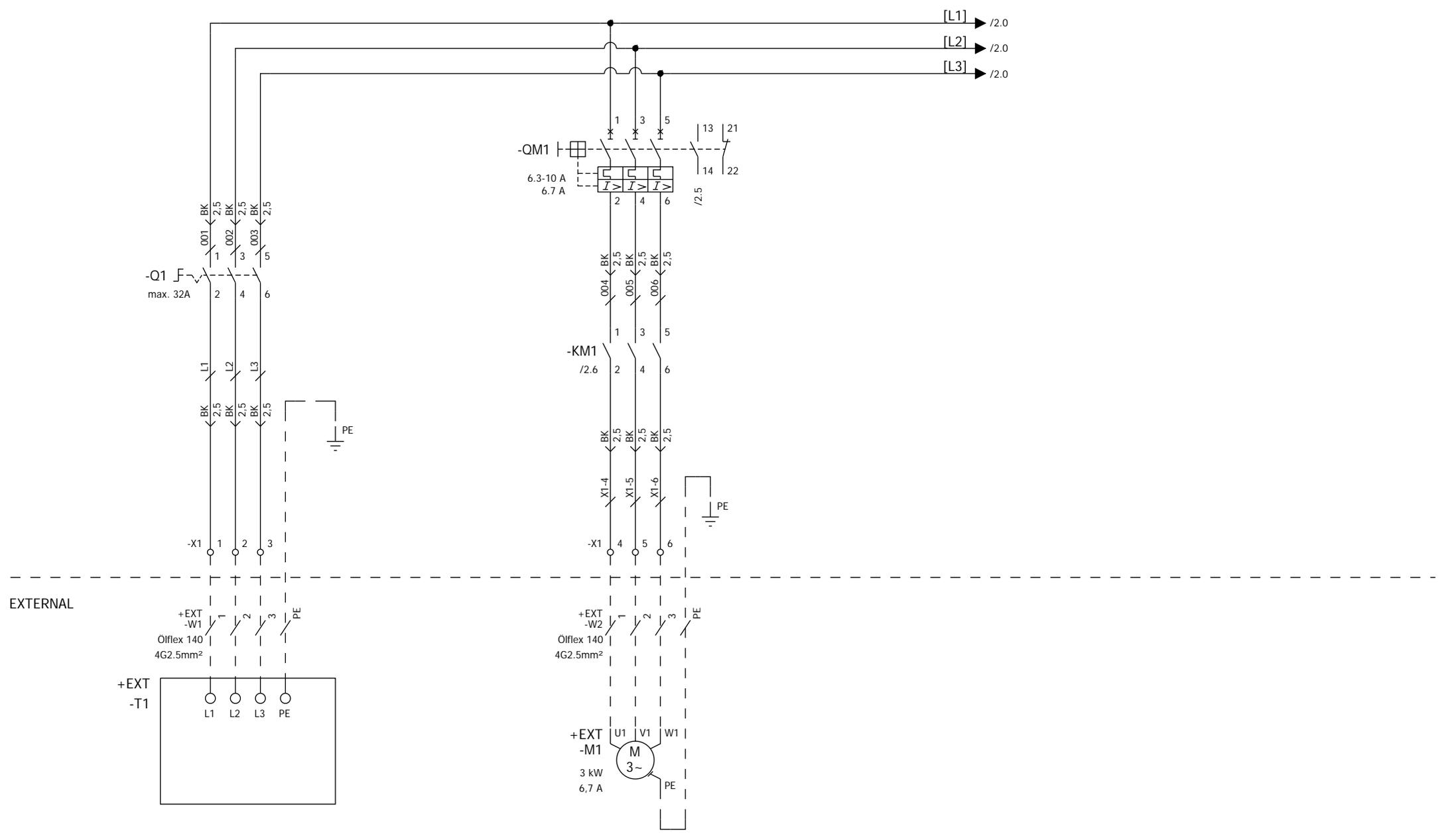
Cable designation +EXT-W2	Cable type Ölflex 140 4G2.5mm²	Supplier Lappkabel	Size 2,5mm²	Ground/Shield X / -	Comment
			Leads 3	Length	

Lead	Cross-reference	Source	Terminal	Cross-reference	Wire name	Destination	Terminal	Cross-reference
1	+AK1/1.4	+AK1-X1	L1	+AK1/1.4		+EXT-M1	U1	+AK1/1.4
2	+AK1/1.4	+AK1-X1	L2	+AK1/1.4		+EXT-M1	V1	+AK1/1.4
3	+AK1/1.4	+AK1-X1	L1A	+AK1/1.4		+EXT-M1	W1	+AK1/1.4
PE	+AK1/1.4	+AK1-XPE	PE	+AK1/1.4		+EXT-M1	PE	+AK1/1.4

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+AK1/1

				Generated by <init>		CABLE CONNECTION LIST	Drawing number	Installation =
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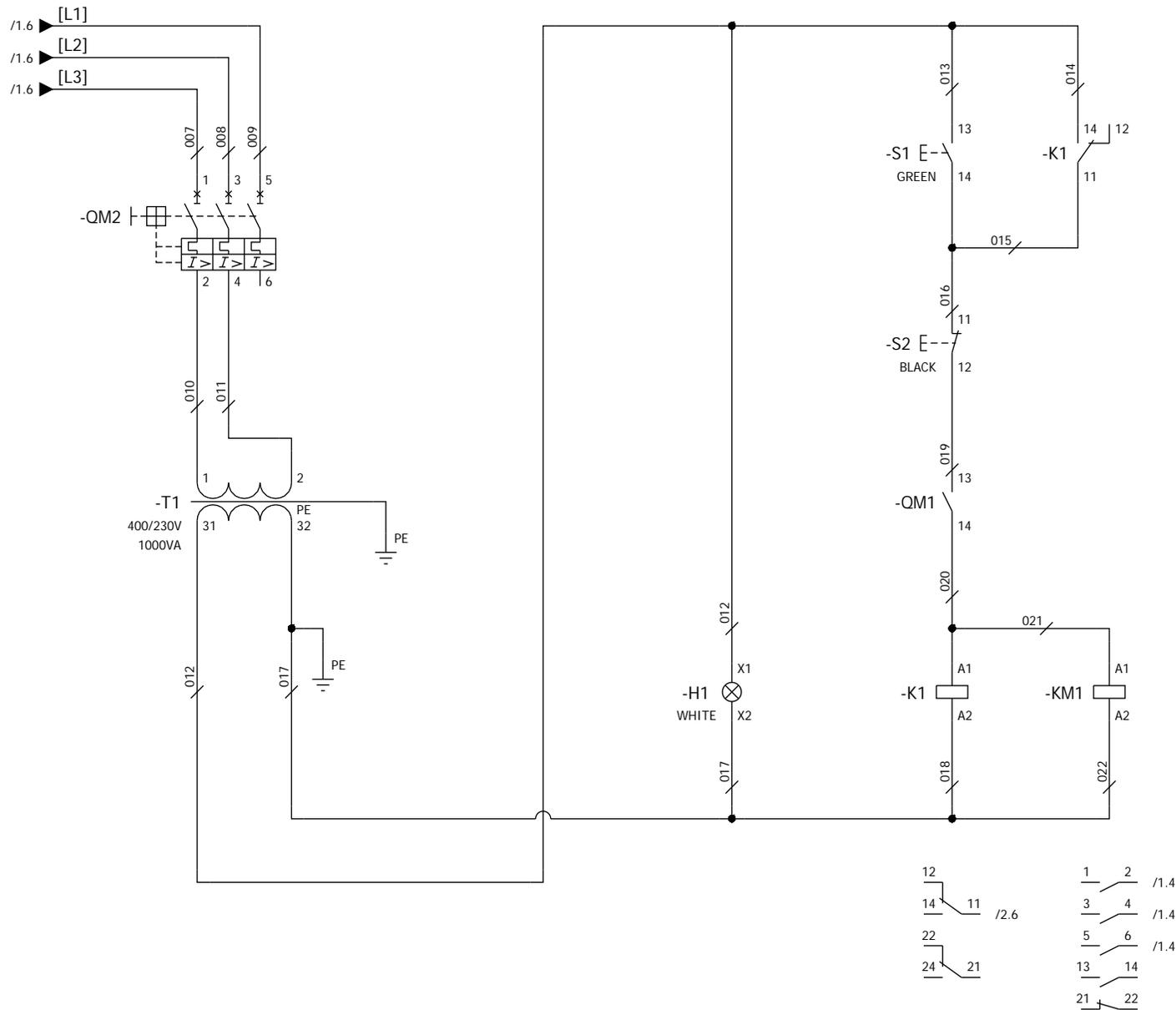
B	New database	3xM	2016-07-07
A	Updated page with info.	<init>	2006-01-29
Rev	Revision text	Signature	Date

Last changed by	<init>
Last changed	30/9/2024
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Circuit diagram page 1
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<init>
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Circuit diagram page 2
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Wire list

Wire type	Size	Color	Length	Source	Terminal	Cross-reference	Wire name	Destination	Terminal	Cross-reference
				-H1	X1	/2.4	013	-S1	13	/2.5
				-H1	X2	/2.4	018	-K1	A2	/2.5
				-K1	11	/2.6	015	-S2	11	/2.5
				-K1	A1	/2.5	021	-KM1	A1	/2.6
				-K1	A2	/2.5	022	-KM1	A2	/2.6
H07V-K	2,5mm ²	BLACK		-KM1	2	/1.4	X1-4	-X1	4	/1.4
H07V-K	2,5mm ²	BLACK		-KM1	4	/1.4	X1-5	-X1	5	/1.4
H07V-K	2,5mm ²	BLACK		-KM1	6	/1.4	X1-6	-X1	6	/1.4
H07V-K	2,5mm ²	BLACK		-Q1	1	/1.1	001	-QM1	1	/1.4
H07V-K	2,5mm ²	BLACK		-Q1	2	/1.1	L1	-X1	1	/1.1
H07V-K	2,5mm ²	BLACK		-Q1	3	/1.1	002	-QM1	3	/1.4
H07V-K	2,5mm ²	BLACK		-Q1	4	/1.1	L2	-X1	2	/1.1
H07V-K	2,5mm ²	BLACK		-Q1	5	/1.1	003	-QM1	5	/1.4
H07V-K	2,5mm ²	BLACK		-Q1	6	/1.1	L3	-X1	3	/1.1
				-QM1	1	/1.4	009	-QM2	5	/2.1
				-QM1	14	/2.5	020	-K1	A1	/2.5
H07V-K	2,5mm ²	BLACK		-QM1	2	/1.4	004	-KM1	1	/1.4
				-QM1	3	/1.4	008	-QM2	3	/2.1
H07V-K	2,5mm ²	BLACK		-QM1	4	/1.4	005	-KM1	3	/1.4
				-QM1	5	/1.4	007	-QM2	1	/2.1
H07V-K	2,5mm ²	BLACK		-QM1	6	/1.4	006	-KM1	5	/1.4
				-QM2	2	/2.1	010	-T1	1	/2.1
				-QM2	4	/2.1	011	-T1	2	/2.1
				-S1	13	/2.5	014	-K1	14	/2.6
				-S1	14	/2.5	016	-S2	11	/2.5
				-S2	12	/2.5	019	-QM1	13	/2.5
				-T1	31	/2.1	012	-H1	X1	/2.4
				-T1	32	/2.1	017	-H1	X2	/2.4
				-T1	32	/2.1		-XPE	PE	/2.2
				-T1	PE	/2.1		-XPE	PE	/2.2

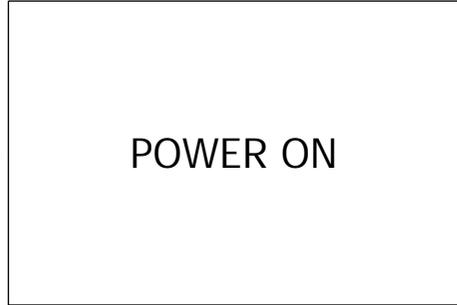
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+AK1/4-1

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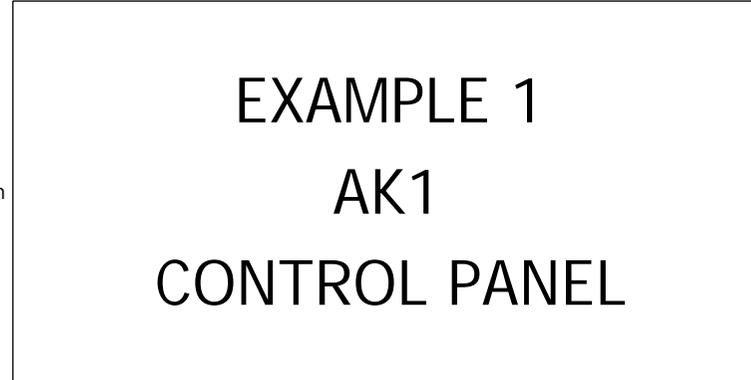
Engraving plate list

60mm



-H1 /2.4
Text color Black
Plate color White

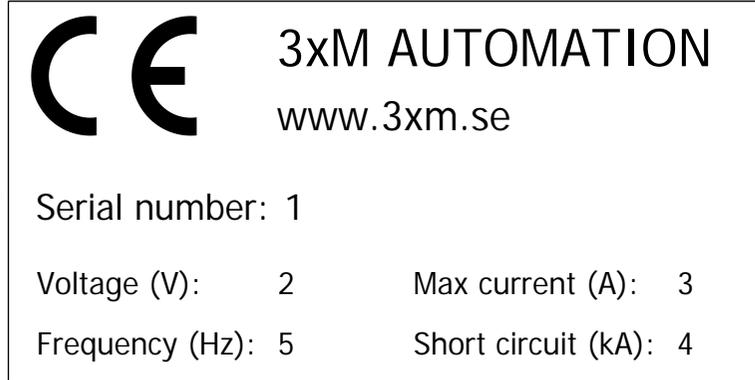
100mm



50mm

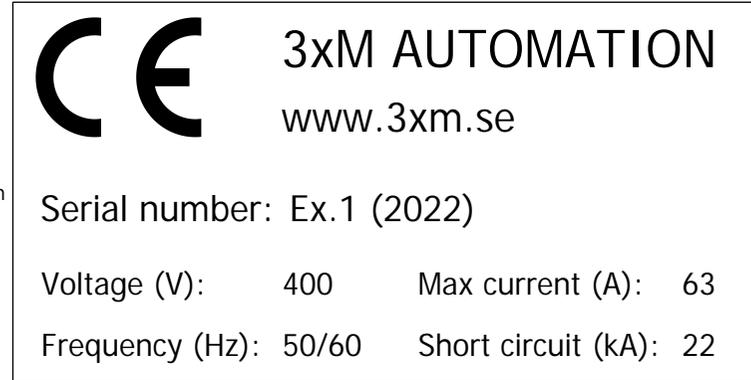
+AK1-LAY-7 /7.2
Text color Black
Plate color White

100mm



-K1 /2.5
Text color Black
Plate color White

100mm



50mm

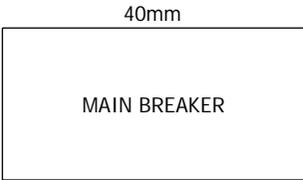
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+AK1/4-1

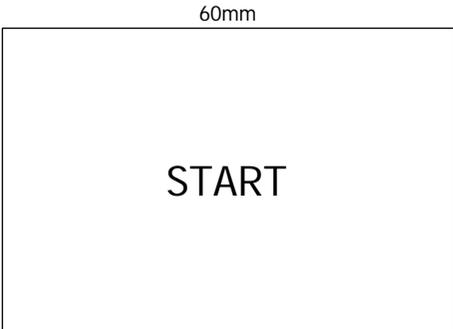
+AK1/5-2

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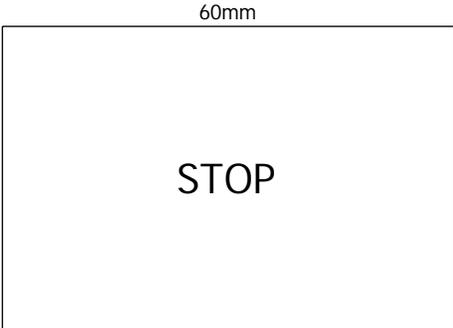
Engraving plate list



-Q1 /1.1
 Text color Black
 Plate color White



-S1 /2.5
 Text color Black
 Plate color White



-S2 /2.5
 Text color Black
 Plate color White

+AK1/5-1

+AK1/6-1

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Recommended spare part list

Units	Description	Article number	Order number	Manufacturer	Supplier
1	Motor protective circuit breaker, 0.1-0.16A	072730	PKZM0-0.16	Moeller Electric	Moeller Electric

+AK1/5-2

+AK1/7

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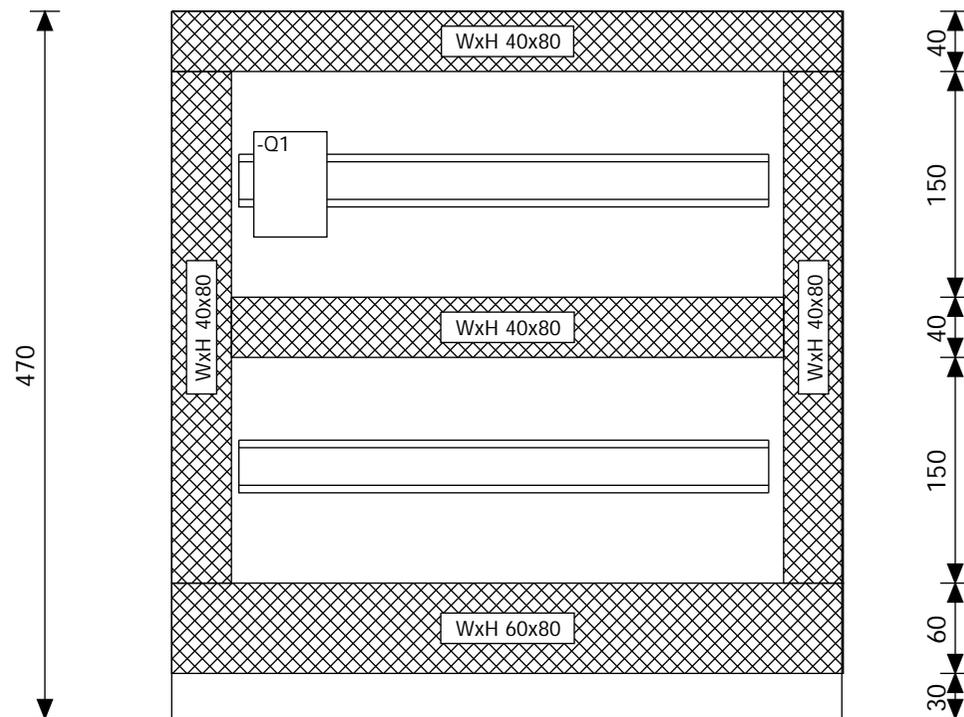
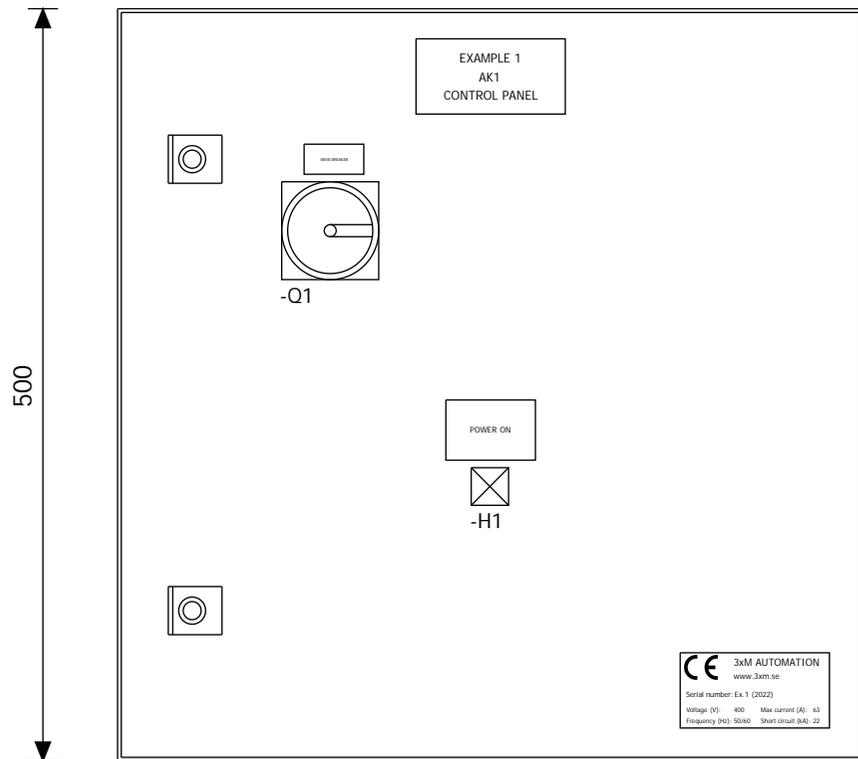
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Control panel

Mounting plate

500

449



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LAYOUT

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Terminal list

SOURCE	Terminal	Cross-ref.	DESTINATION	Terminal	Cross-ref.	Wire name	Wire type	Size	Color	Length
-XPE	PE	/2.2	-T1	PE	/2.1					
-XPE	PE	/2.2	-T1	32	/2.1					
-X1	1	/1.1	-Q1	2	/1.1	L1	H07V-K	2,5mm ²	BLACK	
-X1	2	/1.1	-Q1	4	/1.1	L2	H07V-K	2,5mm ²	BLACK	
-X1	3	/1.1	-Q1	6	/1.1	L3	H07V-K	2,5mm ²	BLACK	
-X1	4	/1.4	-KM1	2	/1.4	X1-4	H07V-K	2,5mm ²	BLACK	
-X1	5	/1.4	-KM1	4	/1.4	X1-5	H07V-K	2,5mm ²	BLACK	
-X1	6	/1.4	-KM1	6	/1.4	X1-6	H07V-K	2,5mm ²	BLACK	

+AK1/7

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