Created with the CAE33	System	E D C B	
8 7 4G70 4*70	commentary	extruder drive extruder drive extruder drive extruder drive	page 1 follow –
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ary	int. place	switch board switch board switch board switch board switch board	wire plan
wire-commentary extruder motor +1,5m	wire	exfruder Sw extruder ge/gn extruder s L d	Z -
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m	<u> </u> 	+ EXTR + EXTR + EXTR + EXTR TX TX	ojet Heinz Schaaf oHG Extruder 100kw Fritolay Vers.7 UD igin 90448-05 superseded for
2	ext. target	= A12M1:U = A12M1:W = A12M1:PE = A12M1:PE	25.10.16 printer in the printer printe
	commentary	extruder motor extruder motor extruder motor extruder motor	date worked 25.10.16 me exam.
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A	System	E D C B	
8 Y 4670 4*70	commentary	extruder drive extruder drive extruder drive extruder drive	page 1 follow -
kabel type ÖLFLEX–100 CY 4G70 Identnr.: Ölflex–100 CY 4*70 order name producer LAPP sumpliere	int. target	=A1261 : U = A1261 : W = A1261 : PE = A1261 : PE = A1261 : PE	drawing number 90448-06
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ary	int. place	switch board switch board switch board switch board	wire plan
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4	ext. place		thaaf oHG Fritolay Vers.7 UD Superseded by
m		+ + EXTR + + EXTR + EXT	oject Heinz Schaaf oHG Extruder 100kw Fritolay Vers.7 UD iqin 90448-05 superseded for
2	ext. target	= A12M1:U = A12M1:V = A12M1:V = A12M1:PE = A12M1:PE	25.10.16 prints in the prints of pri
	commentary	extruder motor extruder motor extruder motor extruder motor	date worked 25.10.16 me exam.
∢	<u> </u>	"Observe profection mark acc. DIN 34 A23500-2	000010 state

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S the l	commentary	extruder drive		page follow
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Ly Itor	int. place	switch board	wire plan	9
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	Ω ⊢ > - +	+ + + + + + + + + + + + + + + + + + +	Heinz Schauf oHG	Extruder 100kW Fritolay Vers.7 ign 90448-05 superseded for
7	l <u>⊷</u> l≂	= A12M1:1 = A12M1:3 = A12M1:4 = A12M1:5 = A12M1:11 = A12M1:7 = A12M1:8 = A12M1:8 = A12M1:81	25.10.16 project	2 E LA
_	commentary	extruder motor	date	variation date name stand.
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1		commentary	culter motor culter motor culter motor	page 1 follow -
1	7] el type öLFLEX-100 C ntnr: ölflex-100 CY er name ducer LAPP pliere	int. target	-X10 -X10 -X10 -X10 =A1PE	drawing number 90448-06
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1		ext. place	extruder extruder extruder	papasadns
1	m		H + + + + + + + + + + + + + + + + + + +	Heinz Scha r 100kw Fri 48-05 sa
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	_	commentary	Messer Steckenleiste Messer Steckenleiste Messer Steckenleiste cutter	25.10.16 me variation date name
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8 7 4G1,5 4*1,5	rac too de do	Commermary Messer Steckerleiste	Messer Steckenleiste Messer Steckenleiste	Messer Steckerleiste													page 1 follow -
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Vire-commentary cutter motor +4m	-W3.1.1	au M	bΓ	ge/gn SLD													<u>E</u>
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1ry	int. place	temperatur sensors	wire plan
wire-commentary PTC cutter Schaaf -W3.5.1	wire	7 - 7	
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2	ext. target	-XCU:5	date 25.10.16 project Heir worked me Extruder 100 exam. me Extruder 100 stand. PT origin 90448-05
~	commentary	Messer Steckenleiste Messer Steckenleiste	date name sta
₹		Project No. "Observe protection mark acc. DIN 34 A23500-2	000010 state

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8 40,75 -0,75	commentary	Messer Steckerleiste Messer Steckerleiste	page 1 follow -
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2	ext. target	= A1 3M1: 1 = A1 3M1: 2 + +	
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8 .Y 461,5 ' 4*1,5	commentary	dosing 1 motor dosing 1 motor dosing 1 motor	page 1 follow -
7 kabel type ÖLFLEX-100 CY 4G1,5 ldentnr.	int. target	-X11 : 1 -X11 : 2 -X11 : 3 -X11 : 4 -X11 : 4	drawing number 90448-06 17
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ary	int. place	switch board switch board switch board switch board	wire plan
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7	ext. place	extra	Haaf oHG Fritolay Vers.7 UD superseded by
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2	ext. target	=A14M1:U =A14M1:W =A14M1:PE =A14M1:SLD	25.10.16 pr ine ine PT or
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8 40,75 0,75	commentary	temperatur sensors		poge follow
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7	ext. target	= A14M1: 1 = A14M1: 2		25.10.16 pr
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8 Y 461,5 4*1,5	commentary	dosing 2 motor dosing 2 motor dosing 2 motor dosing 2 motor	page 1 follow -
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kab Ider Orde Proor	Ce	+ + S + + S + + S + + S + + S + + S + S	order number A23500-2 draw up me
ary	int. place	switch board switch board switch board switch board	wire plan
wire-commentary dosing 2 motor +5.7m	wire	extruder sw extruder br extruder ge/gn extruder SLD SLD	<u> </u>
4	ext. place		Superseded for superseded by
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2	ext. target	= A15M1:V = A15M1:V = A15M1:W = A15M1:PE = A15M1:SLD	25.10.16 pri ine or
~	commentary	dosing 2 dosing 2 dosing 2 dosing 2 dosing 2 dosing 2	date date scam. 25.10.16 me exam. avariation date name stand.
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1 2 3 4 MITE - COMMENTAL 5 5 6	8 *0,75 ¢0,75	commentary	temperatur sensors	page 1 follow -
1 2 3 4 MITE - COMMENTAL 5 5 6	7 I el type öLFLEX-110 2 ntnr: ölflex-110 2* er name ducer LAPP pliere	int. target		drawing number 90448-06 7
1 2 3 4 4 7 5 1	kab Ider Ider Ider Ider Suppoord	a	######################################	order number A23500-2 draw up me
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		commentary	dosing 2 dosing 2	25.10.16 me date name
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8 .Y 461,5 .4*1,5	commentary	statorinjection 1 motor	page 1 follow -
kabel type ÖLFLEX-100 CY 4G1,5 Identnr. Ölflex-100 CY 4*1,5 order name producer LAPP suppliere	int. target	-X13 : 1 -X13 : 2 -X13 : 3 -X13 : 4 -X13 : 4	drawing number 90448-06 r
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ary notor	int, place	switch board switch board switch board switch board	wire plan
wire-commentary statorinjection 1 motor +3m -W7.1	wire	extruder sw extruder gr extruder ge/gn extruder SLD	<u> </u>
4	ext. place		Fritolay Vers.7 UD superseded by
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2	ext. target	-XIP: 17 -XIP: 18 -XIP: 20 -XIP: 20 -XIP: PE	25.10.16 pr ime ine PT or
	commentary	blug box pump wagon	date worked 25.10.16 me exam.
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1 2 3 4 4 1 1 1 1 1 1 1 1		commentary	plug box pump wagon	page 1 follow -
1 2 3 4 4 1 1 1 1 1 1 1 1	7 L el type ÖLFLEX-100 CY inn: Ölflex-100 CY er name Jucer LAPP	int. target		drawing number 90448-06 7
1		ומכפ	+ EXTR + EXTR + EXTR + EXTR	order number A23500-2 draw up Ime
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8 3G1mm* 1	commentary	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control	pump wagon control																		page 1	- follow
kabel type ÖLFLEX-110 18G1mm² Identnr: Ölflex-110 18*1 order name	suppliere int. target	-X7 : 1		-X7 :3			-X/:6	/:: / \- 8 ·	6: /X-	-X7 : 10	-X7 : 11			-X7 : 14		-X/ : 16	-X7 : 17																		drawing number	90448-06
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2	ext. target	- X-	-XIP:2	-XIP:3	4 : 4 I X -	-XIP:5	2 X P: 6	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6:4X-	-XIP: 10	-XIP: 11	-XIP: 12	-XIP: 13	-XIP: 14	-XIP:15	-XIP: 16	-XIP:PE																	25.10.16 project	:The	PT origin
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8 0,75 0,75	commentary	plug box pump wagon	page follow
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kabe Ident order prod	9.	+ + EXTR + + EXTR	order number A23500-2 draw up
	int. place	extruder extruder	wire plan
wire-commentary PTC statorinjection 1 Schaaf -W7.6	wire	-2	- <u> </u>
wire PTC	Ce	pump wagon	Superseded by
n	ext. place		ojet Heinz Schaaf oHG Extruder 100kW Fritolay Vers.7 UD
	-te	1:1 + PW + + PW	project Heinz Extruder 100k
7	ext. target	= A17M1: 1 = A17M1: 1.2	date 25.10.16 p
	commentary	injection 1	25.10.16 me date name
⋖		"Observe protection mark acc. DIV 34 A23500-2	00000 state variation

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8 Y 461,5 4*1,5	commentary	statorinjection 2 motor	page 1 follow -
kabel type ÖLFLEX-100 CY 4G1,5 Identnr.: Öttlex-100 CY 4*1,5 order name producer LAPP suppliere	int. target	-X14 : 1 -X14 : 2 -X14 : 4 -X14 : 4 -X14 : 4	drawing number 90448-06 P
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ary notor	int, place	switch board switch board switch board switch board	wire plan
wire-commentary statorinjection 2 motor +3m -W8.1	wire	extruder sw extruder ge/gn extruder SLD SLD SLD	<u> </u>
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7	ext. target	- X P: 21 - X P: 23 - X P: 24 - X	25.10.16 pr ime ine PT or
-	commentary	plug box pump wagon blug box pump wagon blug box pump wagon blug box pump wagon blug box pump wagon	date worked 25.10.16 me exam.
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r 461,5 4*1,5 commentary plug box pump wagon plug box pump wagon			page 1 follow -
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			order number A23500-2 draw up me
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ext. place pump wagon			eject Heinz Schaaf oHG Extruder 100kW Fritolay Vers.7 UD idin 90448-05 superseded for superseded by
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2 ext. target =A18M1:U =A18M1:V =A18M1:SLD =A18M1:SLD			25.10.16 pr ine or
commentary injection 2 injection 2 injection 2 injection 2 injection 2 injection 2			date worked 25.10.16 me exam.
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kabe Iden orde prod	au	+ EXTR	order number A23500-2 draw up
_	int. place	extruder	wire plan
wire-commentary PTC statorinjection 2 Schaaf -W8.6	wire	2 extr	9
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7	ext. target	=A18M1:2 =A18M1:2	date 25.10.16 project worked ine Exti exam. ine Exti stand. PT origin
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7	, habel type ÖLFLEX-100 4G2,5 Identnr: Ölflex-100 4*2,5 order name producer LAPP suppliere	int. target	- XX - X	drawing number 90448-06 17
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7		ext. place	extruder extruder extruder	oject Heinz Schaaf oHG Extruder 100kW Fritolay Vers.7 UD superseded by the supersed by the
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2	7	ext. target	= A1 9M1: U = A1 9M1: V = A1 9M1: W = A1 9M1: PE	25.10.16 pr ine ine ine PT
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8 G1,5 1,5	commentary	power power	page 1 follow -
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ary fan	int. place	switch board switch board switch board switch board	wire plan
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7 A	ext. place	extr extr extr	haaf oHG Fritolay Vers.7 UD Superseded for A Superseded by
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7	ext. target	= A1 9MS: U = A1 9MS: V = A1 9MS: W = A1 9MS: PE	25.10.16 pri
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8 61,5 1,5	commentary	power power			page 1 follow -
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7	ext. target =A19M7:U -A10M7.V	= A19M7:V = A19M7:PE			25.10.16 pri
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7)			+ + + + EXTTR TR TR TR					Heinz Scha uder 100kw Frit 90448-05 su
7		ext. target	=A110M1:U =A110M1:V =A110M1:PE					25.10.16 pr d .me
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8		3C 051	190,75 0.75	0,'0			commentary	terminal box 24VDC	terminal box 24 VDC	terminal box 24VDC	terminal box 24 VDC	terminal box 24VDC	terminal box 24 VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC			page	follow	8																						
7		O 01-71-12-13-13-13-14-14-14-14-14-14-14-14-14-14-14-14-14-	kubel Iype OLFLEA-IIO 30G0,/3 Identar: Ölflex-110 50*0 75	OFFICE OFFICE SOLVE	ildile Joer LAPP	liere	int. target	-X4 : 1	-X4 :2	-X4 :3		Z: 4X− Z: /X−		(: † X−			-X4 :11	- 1	-X4 :13		-X4 : 15	-X4 : 16	-X4 ::1/ -X/: ·18		02: 4X-	-X4 :21		l 1	-X4 : 24		- 1	-X4 :28	1	-X4 :30		-X4 : 32 -X7 : 33		-X4 :35			-X4 :38	07: 4X-			drawing number	90448-06	
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7							соттептагу	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDL	terminal box 24 VDC	terminal box 24VDC	ferminal box 24VUL	terminal box 24 VDC	terminal box 24,VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	terminal box 24VDC	-	date	25.10.16 me exam.	пате	l																		
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8 G0,75	0,75		commentary	terminal box 24VDC		terminal box 24VDC														page 2 Follow -
7 Rabel type öLFLEX-110 50G0,75	Identnr.: Ölflex-110 50*(order name producer IAPP	suppliere	int. target	-X4 : 41		-X4 :42														drawing number 90448-06
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8 G1 1mm*	commentary	control panel 24VDC	agod loltow
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		1	order number A23500-2 draw up
I.ry 50 50 51 51 51 51 51 51 51 51 51 51 51 51 51	int. place	switch board	wire plan
wire-commentary control panel 24VDC max.30m -W12.3	wire	2 3 3 4 4 5 6 8 8 8 9 9 10 11 9 9 9	
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8 0,75 0,75	commentary	terminal box 24VDC terminal box 24VDC terminal box 24VDC terminal box 24VDC	page 1 follow -
7 kabel type öLFLEX–110 5G0,75 ldentnr: ölflex–110 5G0,75 order name producer LAPP suppliere	int. target	-XUV :9 -XUV :11 -XUV :11 -XUV :12	drawing number 90448-06
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8 50,75 50,75	commentary	terminal box 24VDC terminal box 24VDC terminal box 24VDC						page follow
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kat kat lide ord	ə	+KK24V +KK24V +KK24V						arder number A23500-2 draw up me
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wire-commentary cooling Schaaf -W14.7	wire	2 † † ge/gn † †						
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_	commentary	cooling cooling cooling						date worker 25.10.16 me examuration date name stand
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50,75 0,75	commentary	terminal box 24VDC terminal box 24VDC terminal box 24VDC terminal box 24VDC	page 1 follow -
kabel type ÖLFLEX–110 4G0,75 Identnr: Ölflex–110 4G0,75 order name producer LAPP suppliere		-XUV : 28 -XUV : 29 -XUV : PE -XUV : PE	drawing number 90448-06 7
kabs lden orde proc		+ KK24V + KK24V + KK24V + KK24V	order number A23500-2 draw up me co
ax.	int, place	terminal box 24VDC terminal box 24VDC terminal box 24VDC terminal box 24VDC	wine plan
wire-commentary filling level silo max. Schaaf -W235	wire	2 3 ge/gn	
wir	ext. place	extruder extruder extruder extruder	eject Heinz Schaaf oHG Extruder 100kW Fritolay Vers.7 UD iqin 90448-05 superseded for characters characte
		+ + + + + E	Heinz Scha uder 100kw Frit 90448-05 Isu
7	ext. target	- XDW: 1 - XDW: 2 - XDW: 3 - XDW: PE	25.10.16 pri
-	commentary	Silo max Silo max Silo max Silo max	date worked 25.10.16 me exam.
∢	•	"Observe protection mark acc. DIN 34 A23500-2	000010 state

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Φ		commentary	terminal box 24VDC terminal box 24VDC terminal box 24VDC terminal box 24VDC					page follow
\	kabel type IFM 4x0,25 Identnr: IFM 4x0,25 order name producer IFM	int. target	-XUV :30 -XUV :31 -XUV :32 -XUV :33					drawing number 90448-06
	kabe Iden orde		+ KK24V + KK24V + KK24V + KK24V					order number A23500-2 draw up me
	<u>Σ</u>	I int. place	terminal box 24VDC terminal box 24VDC terminal box 24VDC terminal box 24VDC					wire plan
ر 1		-W Z 4. T	WS WS THE					
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			+ EXTR + EXTR + EXTR + EXTR					oject Heinz Schaaf oHG Extruder 100kW Fritolay Vers.7 igin 90448-05 Superseded for
7		ext. target	=A124B1:br =A124B1:wh =A124B1:BL =A124B1:bk					25.10.16 pr
		commentary	dosing 1 dosing 1 dosing 1 dosing 1					date name stand.
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kabe ldeni		+ KK24v + KK24v		arder number A23500-2 draw up
_	int. place terminal box 24VDC	reminal box 24VDC		wire plan
wire-commentary filling level dosing 2 Schaaf -W24.4		S V BL		
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	+ + EXTR	+ + + + + + + + + + + + + + + + + + +		oject Extruder 100kW Fritolay Vers.7 iqin 90448-05
7	ext. target =A124B4: br =A124B4: wh =A124B4: wh	=A1Z484:BL =A1Z484:Dk		date 25:10.16 project worked ine Exhud exam. ine Exhud stand. PT origin 90
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wire-commentary injection 1 pressure Schaaf wire wir	_			=					3	Э					а)					В		tem	AE33 Sys	h the t	eated wi	
Schaaf S	reserved follow –	page 1																				plug box pump wagon	plug box pump wagon	plug box pump wagon	commentary				ω
wire-commentary injection 1 pressure Schaaf -W25.6 mp wagon br extruder +EX mp wagon ws extruder +EX mp wagon sw extruder +EX mp wagon ws extruder +EX mp wagon ws extruder +EX mp wagon sw extru	90448-06	drawing number																				-XIP	AK-	d X−	int. target	- 1	er name	el type IFM 4x0,25	7
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8		commentary	plug box pump wagon plug box pump wagon plug box pump wagon	page 1 follow -
7	kabel type IFM 4x0,25 Identnr: IFM 4x0,25 order name producer IFM suppliere	int. target	-XIP : 11 -XIP : 12 -XIP : 13 -XIP : 14	drawing number 90448-06
9		int. place	+ + EXTR + EXTR + EXTR	order number A23500-2 draw up me
5	tary sure 7	int. p	extruder extruder extruder	wire plan
	wire-commentary injection 2 pressure Schaaf -W25.7	wire	pump wagon ws ws bumb wagon sw bumb wagon sw sw bumb wagon sw	A F
7		ext. place	dund dund	oject Heinz Schaaf oHG Extruder 100kW Fritolay Vers.7 UD superseded by a superseded by
3			A A A A A A A A A A A A A A A A A A A	Heinz Schouder 100kw Fri
2		ext. target	=A12586: br =A12586: wh =A12586: BL =A12586: bk	25.10.16 pr rid fine fine for the state of
1		commentary	injection 2 injection 2 injection 2 injection 2	date works 25.10.16 me exam variation date name stand
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8 nm*	commentary	temperatur sensors	page 1 follow -
kabel type LIYCY 2*0.75mm² Identnr: LIYCY 2*0.75 order name producer suppliere	int. target		drawing number 90448-06
kat lide ond ond suppose	lace	H T X X + + + + + + + + + + + + + + + + +	order number A23500-2 draw up Me
any otor 4	int. place	temperatur sensors	wire plan
wire-commentary PT100 extruder motor Schaaf -W26.4	wire	Jer w SLD SLD SLD	
win	ext. place	extruder	estruder 100kw Fritolay Vers.7 UD superseded by
		+ + EXTR + XTR T R	project Heinz Scho Extruder 100kW Fri origin 90448-05 s
2	ext. target	=A12M1:4 =A12M1:5	date 25.10.16 project worked ine Extr exam. ine Extr stand. PT origin
-	commentary	extruder motor	25.10.16 me 6 variation date name 3
∢	•	"Observe protection mark acc. DIN 34 A23500-2	000010 state