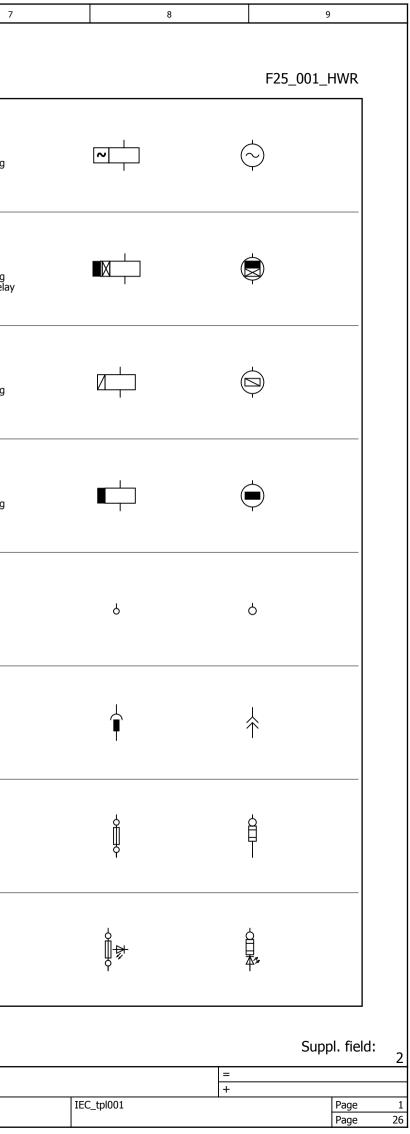
0	1	2	3	4	5	6	

0 SL Power NO contact of a contactor	\_d	÷	8 ONE NC contact, late break	7	$\neq$	24 KW Electromechanical operating device of an AC relay
1 S NO contact	$\sum_{i=1}^{n}$	Ļ T	9 SWR NO contact, momentary contact, contact make on actuation (right)	$\sqrt{1}$	۲٦	25 KAR2 Electromechanical operating device with pick-up / off-dela
2 O NC contact	7	$\neq$	10 SWB NO contact, momentary contact on actuation and release (right and left)	$\backslash^{\flat}$	Гі¦П	26 KRM2 Electromechanical operating device of a remanent relay
3 SSV Normally open with time delay opening (T.O.)	$\in$	$A_{o}^{S}$	11 SWL NO contact, momentary contact, contact make on release (left)	$\langle \rangle$	ſijĹ	29 KR2 Electromechanical operating device with off-delay
4 OOV Normally closed with time delay closing (T.C.)	Ħ	Ą	13 ST NO contact, electrothermal actuation	$\succ \downarrow'$	чγо	30 X Terminal
5 SOV Normally open with time delay closing (T.C.)	> +	$\not\succ_{o}$	14 OT NC contact, electrothermal actuation	<b>≻-</b> 7⁄	лĴ	31 XBS Female and male pin
6 OSV Normally closed with time delay opening (T.O.)	À	γĴ	20 K Electromechanical operating device, general / relay coil, general		$\diamondsuit$	33 XF Fused terminal
7 SVE NO contact, leading	$\sum_{i=1}^{l}$	⊥ T	21 KA2 Electromechanical operating device with pick-up delay			34 XFD Fused terminal with LED

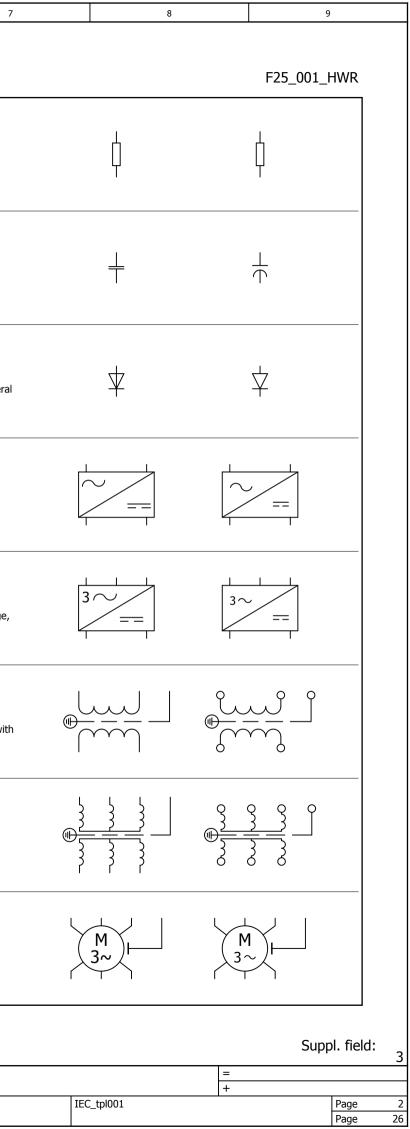
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	-,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			



0	1	2	3	4	5	6	

35 SSD Pushbutton, NO contact,	E	-	43 SSSR Switch, NO contact, operated	ᢄᡃ᠆ᢣ	8-10	51 R Resistor, general
Pushbutton, NO contact, operated by pushing		10	Switch, NO contact, operated by key	l	10	
36 SOD	I.	q	44 SOSR	L.	o 9	53 C
Pushbutton, NC contact, operated by pushing	E7		Switch, NC contact, operated by key	B~-7	8-3	Capacitor, general
37 SSRR			45 Y1			55 V
Switch, NO contact, operated by turning	F~		Solenoid valve, general	rt→-¥	010	Semiconductor diode, general
38 SORR			46 H			56 G22
Switch, NC contact, operated by turning	₅~-≯	► <mark>a</mark>	Lamp / indicator light, general	$\diamond$	<u>ک</u>	Rectifier, bridge, 2-phase, secondary %1 connection points
39 SSM			47 HU			57 G32
Limit switch, NO contact, mechanically operated		A	Horn		Ц Ц	Rectifier, three-phase bridge, three-pase, secondary, 2 connection points
40 SOM			48 YB			58 T11
Limit switch, NC contact, mechanically operated	¥	ð	Solenoid brake		offo	Single-phase transformer with two windings and shield
41 SSDR			49 HLED			59 T3STST
Switch, NO contact, operated by pushing	E≁∖	Ho	Light-emitting diode (LED), general	\$	$\checkmark \checkmark \checkmark$	Three-phase transformer, wye-wye connection
42 SODR			50 F1			60 M6
Switch, NC contact, operated by pushing	E	⊥a □	Fuse, single-pole, general	Ф	¢	Three-phase asynchronous motor, one winding, change-pole, two rotation

1									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	-,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	n Date	Name	Original		Replacement of	Replaced by			



0 1 2 3 4 5 6								
	0	1	2	3	4	5	6	

		69 BOP Pressure switch, NC contact	P/	D	78 Q1 Switch, three-pole, NO contact, operated by turning
M 3~	M 3~	71 SOF Pushbutton, NC contact, pedal-operated	J4	7	79 FT3 Electromechanical device of a thermal relay, three-pole
ФФ	自自自	72 AFILTER Line filter, two-pole			81 XU_1 Female receptacle, three-pole
$\mathbb{P}^{1}$	D-YO	73 MG Generator, tacho-generator, general			82 FTR1 Fused disconnect, single-pole
+	+	74 B Pulse generator	G	G	83 QTR3 Disconnect switch, three-pole
.≁}	40	75 F2 Fuse, two-pole, general	Ф	₿ ₽	84 QTR1 Disconnect switch, single-pole
		76 SSN Cam switch, NO contact	G-۲	<i>₹</i> €₽	85 RV Resistor, voltage-dependent / varistor
		77 SON Cam switch, NC contact	G7	₹÷	86 SLS Light barrier
	$\begin{bmatrix} M \\ == \end{bmatrix}$	$\begin{bmatrix} \begin{bmatrix} M \\ m \\$	$ \begin{array}{c c}  & & & & & & & & & & & & & & & & & & &$	$\begin{bmatrix} M \\ m \\$	$\begin{bmatrix} M \\ m \\$

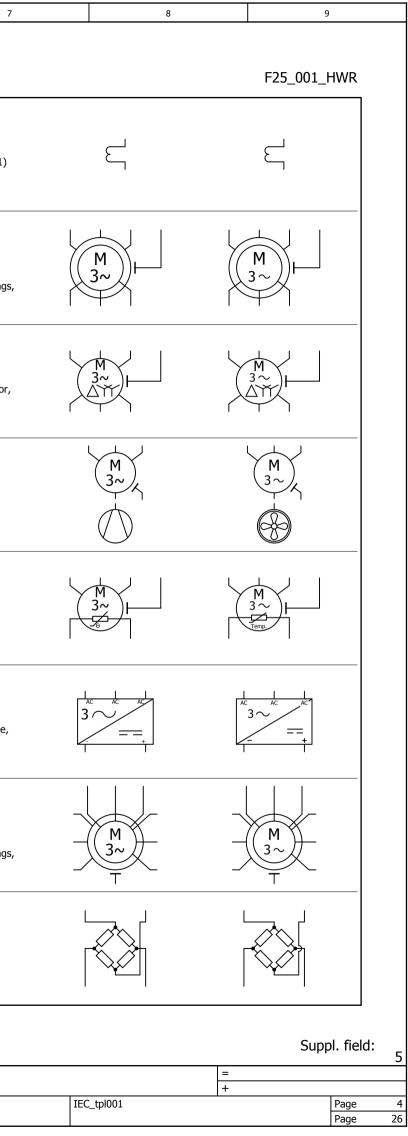
			Date	2/24/2012	EPLAN			Symbol overview	
			Ed.	hwagner			Service	-,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			

7	8	9	
		F25_001_HWR	
]	┎┯┿ <u>┥</u> ╾┿╵╾┥	rfo-fo-fo	
a		\$ \$ \$	
le		[左_丈_丈]	
le	Ц Г	Ħ	
le		rfo-fo-fo	
le	$\backslash^{\!$	1-70 1-70	
:/	u L	u L	
		T T	
		Suppl. field:	4
		= +	
	IEC_tpl001	Page Page	3 26
	4		

0 1 2 3 4 5 6								
	0	1	2	3	4	5	6	

87 HG Neon lamp		Ì	96 FTH NC contact, electrothermal release, lock-out / reset		гЭ	106 LSW1 Current transformer (path 1)
88 HW Alarm / bell	Ċ	Ļρ	97 QL3_1 Power circuit breaker / motor overload switch with switch mechanism and line		- \ <u>(°-(°-(°</u> 2 2 2 2	107 M6SCHL Three-phase asynchronous motor, two separate windings, change-pole, two rotation
89 VTHY2 Thyristor diode, bidirectional, Diac	$\checkmark$		98 FA1 Circuit breaker, single-pole	<u></u>		108 M2YD Three-phase induction motor, star-delta connection
91 PZS Count function, identifier with NO contact		©-}	99 VTHY3 Thyristor triode	<b>⊢</b> ¥		109 M3_VE Three-phase motor for ventilating fan
92 PV Voltage measuring instrument, with display, voltmeter	V	VM VM	100 BST NO temperature switch	$\bigvee$ Θ	ц	110 M3_1T_1 Three-phase asynchronous motor with thermal monitoring, one rotation
93 PA Current measuring instrument, with display, ampmeter	A		102 BOT NC temperature switch	ŢΘ	лĴ	111 GBOX32 Rectifier, three-phase bridge, three-pase, secondary, 2 connection points
94 VZ Zener diode, Z diode, unidirectional, voltage limiting diode	¥	Д	103 YK Magnetic clutch		<b>○</b> -Ę	112 M9SCHL Three-phase asynchronous motor, two separate windings, change-pole, three rotation
95 HUH Clock / secondary clock, general			105 USP Discharger	<b>∳</b> T	<b>∳</b> T	115 RMB Resistance bridge

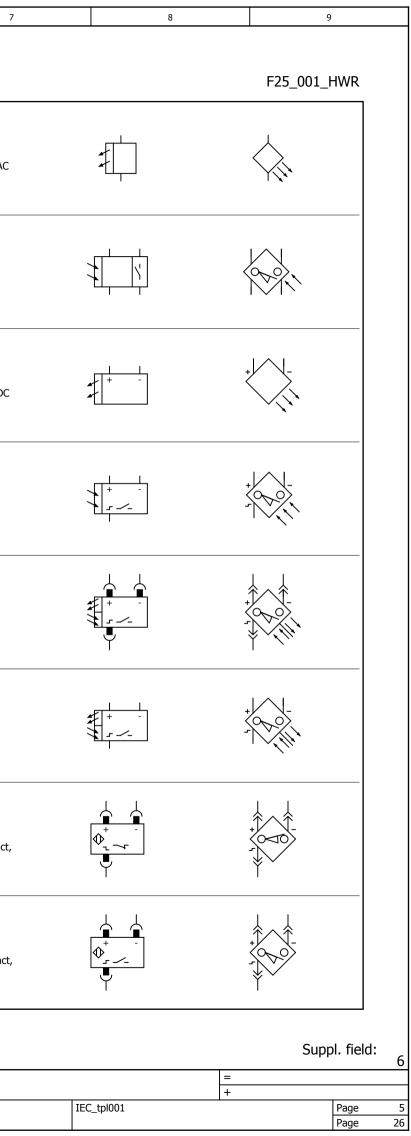
3									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	-,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			



0 1 2 3 4 5 6								
	0	1	2	3	4	5	6	7

		124 QL3 Power circuit breaker / motor overload switch with switch mechanism and without line	┝╋╋╸╲╵╸╲╵ ╏╶┨╤┛┽╤┥┯═┥		134 SLSAC
				\$ \$ \$	Light barrier, transmitter, AC supply
	Ŗ	125 RCK RC network			135 SLEAC Light barrier, receiver, AC supply
Ľ	Ļ/	128 Q3 Load-break switch, three-pole, NO contact, operated by turning	┎ <u>∽</u> ┝╹ – ┝╹ – ┝╹	r-kkk	136 SLSDC Light barrier, transmitter, DC supply
Ļ,	\$	129 Q2 Switch, two-pole, NO contact, operated by turning	₣~┾ <mark>╵</mark> – – – ┝╵	r-fofo	137 SLEDC Light barrier, receiver, DC supply
Ϋ́́	ţ.	130 BSSW Float switch, NO contact	$\langle \gamma \rangle_{\rm l}$	$\sim \sim_{\circ}$	138 SSLRX Photoelectric switch, NO contact, with plug-in connection
	$\frac{1}{0} - \frac{0}{0} - \frac{0}{0}$	131 BOSW Float switch, NC contact	\$- <del>\</del>	0–9	139 SSLR Photoelectric switch, NO contact
		132 BSD Flow switch, general, NO contact	$\Box$	∠_}°	141 SONS2X Proximity sensor, NC contact, with plug-in connection
┎━━━━┓ └╀━╀╼╀┙	「」	133 BOD Flow switch, general, NC contact	Œ-7	<u>_</u>	143 SSNS2X Proximity sensor, NO contact, with plug-in connection
			$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

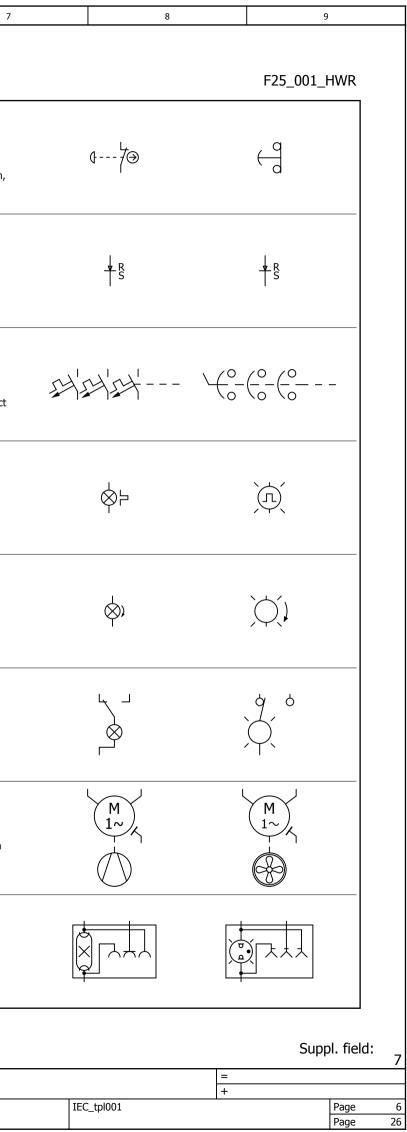
4									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner	1		Service		
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			



0	1	2	3	4	5	6	

145 SONS2 Proximity sensor, NC contact		+000	160 SOA Pushbutton, NC contact, general	+		170 SONOT1 Emergency stop switch / Emergency stop pushbutton, NC contact
146 SSNS2 Proximity sensor, NO contact		+	161 XBSK Female and male pin, coaxial	¢		171 SCHL Slipring transformer
148 SSNS1 Proximity sensor, NO contact			164 KUB Electromechanical operating device of an overvoltage release	U> T		174 FAH3 Circuit breaker, three-pole, with line for auxiliary contact
149 SONS1 Proximity sensor, NC contact			165 KUN Electromechanical operating device of an undervoltage release	U< T	Ú,	176 HB Indicator light, blinking
150 SONOT2 Emergency stop switch / Emergency stop pushbutton, NC contact, with turn-to-reset	(⊢––––––––––––––––––––––––––––––––––––	( <u> </u>	166 KFI Electromechanical operating device of a ground fault current release		(IIA)	177 HRL Rotating lamp
151 LM3 Inductor with magnetic core, three-phase			167 PZBSTD Counter, operating hours	h		178 H4 Lamp / indicator light, with lamp test function
155 FAH1 Circuit breaker, single-pole, with line for auxiliary contact	<u>1</u>	\_(	168 PZIMP Counter, pulse counter		С Г Ч	179 M2W_VE AC motor for ventilating fan
159 SSA Pushbutton, NO contact, general	+	$- _{0}^{0}$	169 SSNOT1 Emergency stop switch / Emergency stop pushbutton, NO contact	(+∕\ ́.)	$(+ ]_{0}^{0}$	180 EHX1 Enclosure light with female receptacle

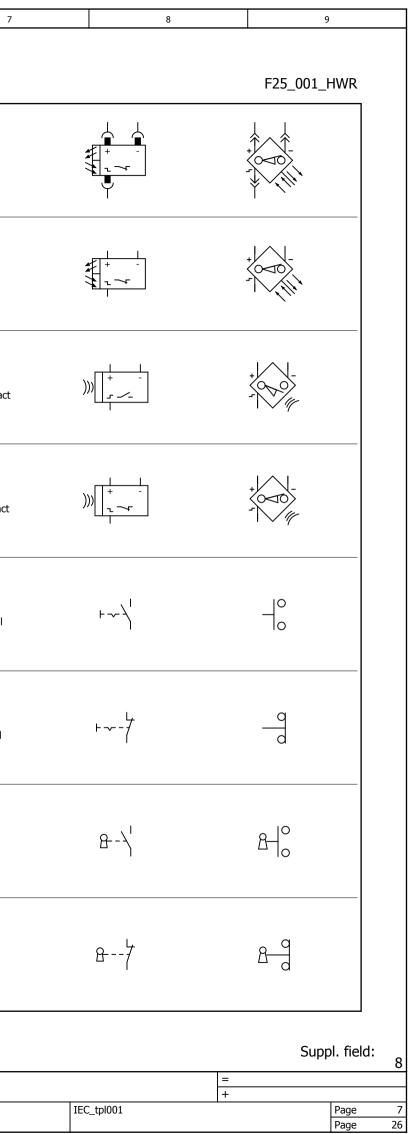
	Date 2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
Ed	d. hwagner			Service	-,	
Ap	.ppr	Symbol overview		GmbH & Co. KG		
Modification Date Name Ori	Driginal	Replacement of	Replaced by			



0	1	2	3	4	5	6	

eymeer ever					
181 EHX2 Enclosure light with female receptacle		193 TS3STST Three-phase transformer, wye-wye connection			206 SOLRX Photoelectric switch, NC contact, with plug-in connection
182 EH3 Fluorescent lamp with PE		194 TS12 Transformer, 2 windings on one side			207 SOLR Photoelectric switch, NC contact
185 GL Rectifier in bridge circuit		195 SH NO contact without cross-reference	$\sum_{i=1}^{l}$	\° ∕°	208 SSUS Ultrasonic sensor, NO contact
186 GDBR Three-phase bridge circuit		196 OH NC contact without cross-reference	Ļ Ţ	9	209 SOUS Ultrasonic sensor, NC contact
187 GBOX22 Rectifier, bridge, 2-phase, secondary %1 connection points		197 XTR1 Isolating terminal, closed	¢	4	210 SSAR Switch, NO contact, general
190 KT2 Electromechanical operating device of a blinking relay	Ţ	198 GNT Potential transformer with phase monitoring			211 SOAR Switch, NC contact, general
191 KM2 Electromechanical operating device of a multi-function relay	$\diamond$	199 LSW2 Current transformer (path 2)		Ę	212 SSS Pushbutton, NO contact, operated by key
192 TS11 Single-phase transformer with two windings		200 LSW3 Current transformer (path 3)	Ę		213 SOS Pushbutton, NC contact, operated by key

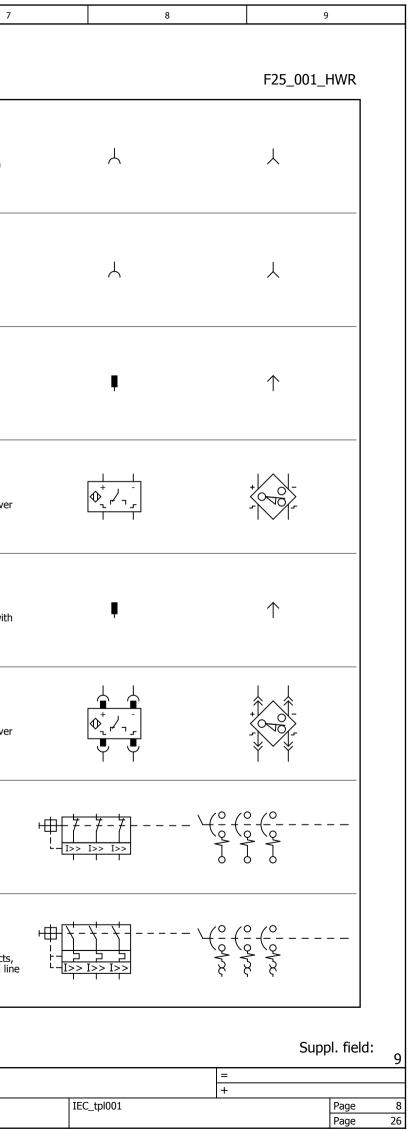
6									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service		
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			



0	1	2	3	4	5	6	

-,						
214 KL2S		$\leftarrow$	224 TS3DRST		لَحْسَمُ	233 XBD
Second coil for remanent relay (detached representation)		-~-()	Three-phase transformer, delta-star connection			Socket of a plug connection
215 SSG		- 94	225 TV	W	Ŵ	234 XBD2
NO cam-switch device		0-7	Potential transformer	$\bigcap$		Female pin of a plug connection with direct connection point
216 SOG	1	0	226 BAT	1	I	236 XSD
NC cam-switch device	07	₿-₹	Battery, primary or secondary element, accumulator	+	- <u>+</u> -	Plug of a plug connection
219 LM			228 M2W			237 SWNS
3-phase line reactor for NC devices			AC motor	M 1~	$\begin{pmatrix} M \\ 1 \\ \end{pmatrix}$	Proximity sensor, change-over contact
220 T3STDR	} } }		229 SWLR			238 XSD2
Three-phase transformer, star-delta connection			Photoelectric switch, change-over contact			Plug of a plug connection with direct connection point
221 TS3STDR			230 SWLRX			239 SWNSX
Three-phase transformer, star-delta connection			Photoelectric switch, change-over contact, with plug-in connection			Proximity sensor, change-over contact, with plug-in connection
222 XTR2	a d	۰. ط	231 OC1	+	+	242 QLIM11
Isolating terminal, opened		<i>6</i> ,	Optocoupler, 4 conductors			Limiter, without thermal contacts, with switch mechanism and line
223 RF	<u>.</u> ,Ц	<u>.</u> ,Ц	232 OC2			243 QLIM21
Photoresistor			Optocoupler, 6 conductors			Limiter, with thermal contacts, with switch mechanism and line

			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	-,	1
			Appr		Symbol overview	Symbol overview			
Modification	Date	Name	Original		Replacement of	Replaced by			



0	1	2	3	4	5	6	

244 SSSV Switch, leading NO contact, operated by key	ᢄᡃ᠆ᢩᡗ	B⊢¦°	254 FI4 Ground fault current circuit breaker, %0-pole			264 C3 Feedthrough capacitor
245 RPTC Resistor, PTC thermistor			255 XEDU Diode terminal			265 C4 Capacitor, polarized (electrolytic capacitor)
246 RNTC Resistor, NTC thermistor		⊖u T	257 XU5 Female receptacle, five-pole (CEE)	[±-±-±-±]	[	266 C5 Capacitor, variable
247 RP1 Resistor with movable contact			258 SMW NO contact with action line		<del> </del>	267 C6 Capacitor with default setting
248 RP2 Resistor with movable contact / potentiometer			259 M9SCHL_T_1 Three-phase asynchronous motor with thermal monitoring, two separate			268 SNE NO contact, late break
249 RP3 Resistor with movable contact and "Off" position			260 SSNOT2 Emergency stop switch / Emergency stop pushbutton, NO contact, with turn-to-reset	(⊢╵-∖ ⊖	( <u>↓</u> -   °	269 OVE NC contact, leading
250 RP4 Resistor, adjustable, with movable contact / adjustable potentiometer			261 RM1 Shunt / Resistor with separate electrical and voltage connections			270 SSOV NO contact, opens and closes with delay
253 RM Resistor with two fixed tappings			262 RCP Resistor, carbon pile			271 SSZ Pushbutton, NO contact, operated by pulling

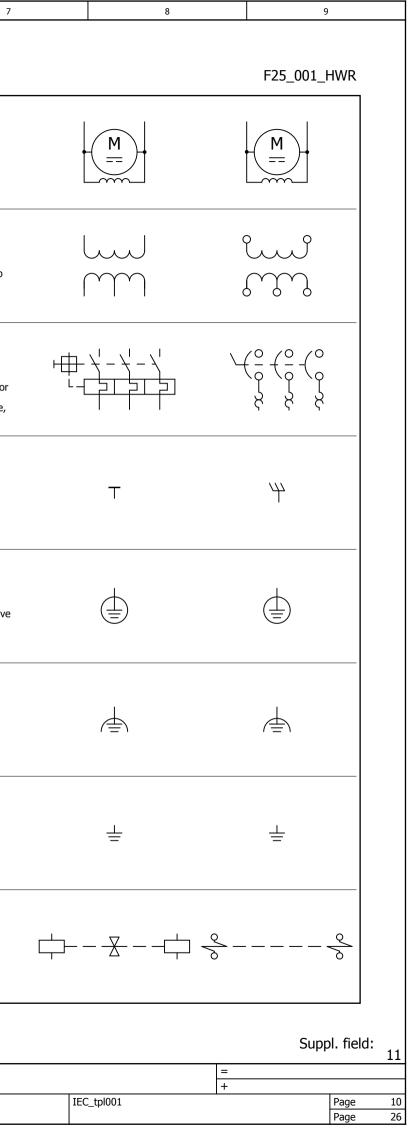
_	



0 1 2 3 4 5 6								
	0	1	2	3	4	5	6	

eymser erei						
274 BOTA NC contact with automatic thermal actuation	-r- 7	лЭ	283 HSI Siren	¢		291 M2GN Shunt motor, DC
275 QLS1 NO contact, power circuit breaker	\ <b>*</b>		284 HP Whistle, electrically-operated			292 TS11M1 Transformer with center tap on one side
276 SLA Power NO contact of a contactor with automatic actuation	Å		285 SSBE Switch, NO contact, touch-sensitive	KQ~-		293 QL4 Power circuit breaker / motor overload switch with switch mechanism, thermal release,
277 OL Power NC contact of a contactor	D,	$\neq$	286 SSNE Proximity switch, NO contact			297 MASSE Housing frame
279 STRS Disconnect switch	$\sum_{i=1}^{n}$	1-70 1	287 SSNEM Proximity switch, NO contact, actuated by proximity of magnet		C C C C C C C C C C C C C C C C C C C	298 ERDE2 Protective ground / protective conductor connection
280 LM2 Inductor with air gap in magnetic core			288 FS Fuse switch, single-pole	ф'	Ę	299 ERDE1 Ground, low-noise
281 LMV1 Inductor with magnetic core, permanently variable		*	289 FLTR1 Fuse switch disconnector, single-pole	Цţ t	Ę	300 ERDE Ground, general
282 QLTR1 Switch disconnector, single-pole	\ <del>\</del> \ <del>\</del>	170 170	290 M2GR Series motor, DC			301 Y2 Solenoid valve, 2 coils

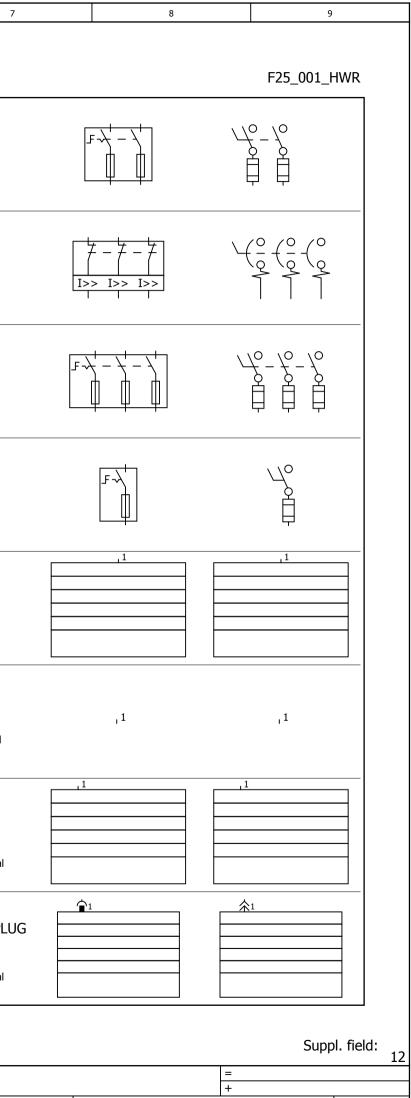
9									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			
-									



0	1	2	3	4	5	6	

- /						
302 Y11X Solenoid valve, with plug-in connection (stretched)		-(10)/03>-	312 A3FILTER Line filter, three-pole	$\begin{array}{ c c } \hline 3 \\ \hline \end{array}$	$\begin{vmatrix} & & \\ & 3 \\ & & \\ & & & \end{vmatrix}$	322 FS2 Fused switch, two-pole
303 FT4 Electromechanical device of a thermal relay, four-pole		\$ \$ \$ \$	313 EH2 Fluorescent lamp without PE	× T		323 QLIM12 Limiter, without thermal contacts
304 BSK Power-operated mechanism, general, NO contact		- 0	314 CDREIECK Capacitors, delta connection			325 FS3 Fused switch, three-pole
305 BOK Power-operated mechanism, general, NC contact	□-7	ala	315 CSTERN Capacitors, star connection			327 FS1 Fused switch, single-pole
307 M3_1 Three-phase asynchronous motor, one rotation speed			316 YX Solenoid valve, coil, with plug-in connection		-((0)/0)>-	350 PLC_CBOX PLC connection point, distributed view
309 KUN1 Electromechanical operating device of an undervoltage release	     U< 		317 Y2X Solenoid valve, 2 coils, with plug-in connection			351 PLC_CBOX_CON PLC connection point, distributed view, additional connection point
310 XTUER Connector for door			320 M3_STELL Actuator motor			352 PLC_CBOX_LEFT PLC connection point, distributed view for combination with additional
311 YB3 Solenoid brake, three-wire			321 XTRPE Earth-isolating terminal			353 PLC_CBOX_LEFT_PLU PLC connection point, distributed view for combination with additional

10										
			Date	2/24/2012	EPLAN		EPLAN Software &		Symbol overview	
			Ed.	hwagner			Service			
			Appr		Symbol overview		GmbH & Co. KG			
Modification	Date	Name	Original		Replacement of	Replaced by				
-										



	+		
IEC_tpl001		Page	11
		Page	26

0	1	2	3	4	5	6	7

11

354 PLC_CBOX_PCON_PLUG PLC connection point, distributed view, additional connection point (plug-in	<b>1</b>	佘1	362 PLC_CBOX_PCON_PLUG_f PLC connection point, distributed view, additional connection point (female pin)	FEM Y1	Ύı	1002 KWU Electromechanical operating device, insensitive to AC
355 PLC_CBOX_PLUG			363 PLC_CBOX_PLUG_M PLC connection point, distributed view (male pin)			1003 KA3 Electromechanical operating device with pick-up delay
356 PLC_CBOX_LEFT_PLUG_1			364 PLC_CBOX_PLUG_FEM PLC connection point, distributed view (female pin)	Y1		1004 KAR3 Electromechanical operating device with pick-up / off-dela
357 PLC_CBOX_PCON_PLUG_1 PLC connection point, distributed view, additional connection point (with twisted	<b>U</b> 1	₩1	370 FS1_LED Fused switch, single-pole	J - J		1005 KRM3 Electromechanical operating device of a remanent relay
358 PLC_CBOX_PLUG_1 PLC connection point, distributed view (with twisted plug-in connector)			401 FI2 Ground fault current circuit breaker, %0-pole			1006 KM3 Electromechanical operating device of a multi-function rel
359 PLC_CBOX_LEFT_PLUG_M PLC connection point, distributed view for combination with additional			402 KS Electromechanical operating device of a latching relay		Ţ	1007 KS2 Electromechanical operating device of a very fast switchin relay
360 PLC_CBOX_LEFT_PLUG_FEM PLC connection point, distributed view for combination with additional		Y1	403 KAS Electromechanical operating device of a shunt release	Ē.	$\bigcirc$	1008 KRES Electromechanical operating device of a tuned relay
361 PLC_CBOX_PCON_PLUG_M PLC connection point, distributed view, additional connection point (male pin)	<b>I</b> 1	<b>↑</b> 1	1001 KR3 Electromechanical operating device with off-delay			1009 KT3 Electromechanical operating device of a blinking relay
Date	2/24/2012 FF	PLAN	FDI	AN Software &	Symbol overview	

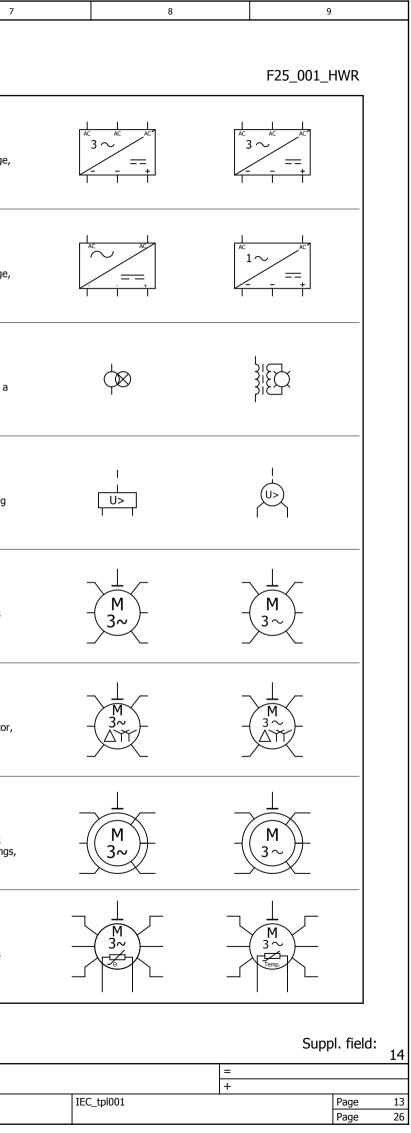
 Image: Constraint of the system of the sy

7	8	9
		F25_001_HWR
g	<b>—</b>	<b>\</b>
g		
ig elay		
g		
ıg elay	M	
ig iing		
g	- 5 -	<b>.</b>
g		
		Suppl. field:
	= + IEC_tpl001	13 Page 12
		Page 26

0	1	2	3	4	5	6	

NOB KST KST Backer after readerSOBE SOBE Sobe for after reader with Reader after reader with M21SOBE Sobe for after reader with Reader after reader with reade							
N2 $\gamma^{-1}$ $\neq \pm$ SONEM       E9-7 $\neq \Rightarrow$ GB0x23         1012       1012       1021       1021       1021       1029       1111       111       111 <t< td=""><td>KST Electromechanical operating</td><td></td><td></td><td>SOBE</td><td>Ю~7</td><td></td><td>GBOX33 Rectifier, three-phase bridge, three-pase, secondary, 3</td></t<>	KST Electromechanical operating			SOBE	Ю~7		GBOX33 Rectifier, three-phase bridge, three-pase, secondary, 3
W3 Dublece ver contact with base point (3 path) $\checkmark$ $\neq$ BSTA Model of light supplied by a bide tor light supplied by a 	W2 Change-over contact with	Ч – – (		SONEM Proximity switch, NC contact, actuated by proximity of	<b>L</b> \$-7		GBOX23 Rectifier, three-phase bridge,
OSOV MC contact, opens and closes $\bigstar$ $\bigstar$ $\Re$	W3 Change-over contact with	لىر با		BSTA NO contact with automatic	-114	ъу	HT1 Indicator light, supplied by a
SOZ pushbutton, NC contact, operated by pulling $3\frac{1}{7}$ $= \frac{1}{3}$ $= \frac{1}{7}$ $= \frac{1}{3}$ $= \frac{1}{7}$ $= \frac{1}{3}$ $= \frac{1}{7}$ $= \frac{1}{3}$ $=$	OSOV	×	×J	FTR3	ф-ф-ф	首-自-自	KUB1 Electromechanical operating device of an overvoltage
SOR       F7       FAH2       FAH2       FAH2       FAH2       Family contact, concerning for auxiliary contact       M2YD_1       Three-phase induction motor, star-delta connection         1017       SSR       F7 $\Lambda_0^{\circ}$ 1025       1033       M6SCHL_1       Three-phase induction motor, star-delta connection         1017       SSR       F7 $\Lambda_0^{\circ}$ 1025       G33       Image: star-delta connection       1033         Pushbutton, NO contact, operated by turning       F7 $\Lambda_0^{\circ}$ 1025       G33       Image: star-delta connection       1033         1018       SONE       1026       G23_1       Image: star-delta connection       1034         1018       SONE       Image: star-delta connection       Image: star-delta connection       1034	SOZ Pushbutton, NC contact,	зҰ		FA3		$\begin{pmatrix} 0 \\ - \\ 0 \end{pmatrix} = \begin{pmatrix} 0 \\ - \\ 0 \end{pmatrix} \begin{pmatrix} 0 \\ 0 \end{pmatrix}$	M6_1 Three-phase asynchronous motor, one winding.
$\begin{array}{c} \text{SSR} \\ \text{Pushbutton, NO contact,} \\ \text{operated by turning} \end{array} \qquad $	SOR Pushbutton, NC contact,	54	► d	FAH2 Circuit breaker, two-pole, with	<u>1</u> <u>1</u> <u>1</u> <u>1</u>	$\frac{0}{0}\frac{0}{0}$	M2YD_1 Three-phase induction motor,
SONE $G23_1$ $M6_1T_1$	SSR Pushbutton, NO contact,	F		G33 Rectifier, three-phase bridge,			M6SCHL_1
	SONE	\$ <del>7</del>		G23_1			M6_1T_1 Three-phase asynchronous

12										
			Date	2/24/2012	EPLAN		EPLAN S	Software &	Symbol overview	
			Ed.	hwagner			Service			
			Appr		Symbol overview		GmbH 8	k Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by				
-										



0	1	2	3	4	5	6	7

0	1	2	3	4	5 6		7 8	9
Symbol ove	rview							F25_001_HWR
1035 QLIM22 Limiter, with thermal contacts			1043 T3DRST Three-phase transformer, delta-star connection			1051 STELL3 N-position switch, 3 position	s F~+++ I I I	
1036 PVAR Measuring instrument, variable, with display	$\bigcirc$	¢	1044 Y11 Solenoid valve, general (stretched)			1052 STELL4 N-position switch, 4 position	s F~+++++	
1037 PZVAR Counter, variable		$\bigcirc$	1045 YXPE Solenoid valve, PE connection point	⊦∎)-	↦≻	1053 STELL5 N-position switch, 5 position	F~ <sup>1234</sup> \$ s IIII	
1038 PZO Count function, identifier with NC contact	07	©	1046 OMW NC contact with action line		#	1054 STELL6 N-position switch, 6 position	F~ <sup>†</sup> <sup>†</sup> †††† S I I I I I	╷╠┫┥╕┥╕┥╕┥╕┥。
1039 SONOT3 Emergency stop switch / Emergency stop pushbutton, NC contact, with pull-to-reset	╓┷╵╌╶ <mark>┟</mark> ⋺	( <u>~</u>	1047 OSTR NC contact with spring return	Þ.	$\neq$	1055 SW3DR Switch, change-over contact (3-path), operated by pushin	E ~ ~ J	°
1040 SSNOT3 Emergency stop switch / Emergency stop pushbutton, NO contact, with pull-to-reset	() () () () () () () () () () () () () (	( <u>~</u>	1048 FT1 Electromechanical device of a thermal relay, single-pole		Ą	1056 SW2DR Switch, change-over contact (2-path), operated by pushin	E ~ - / ng	
1041 SONOT4 Emergency stop switch / Emergency stop pushbutton, NC contact, key release	( <sup>−−</sup> - 7⊖	( <u>7</u> - <u>-</u>	1049 SSTR NO contact with spring return	$\backslash^{\triangleleft}$	Ļ T	1057 W2AV Change-over contact (2-path with pick-up delay	n), 🗧 🗍	4 °-'
1042 SSNOT4 Emergency stop switch / Emergency stop pushbutton, NO contact, key release	$(\mathbf{r}_{\mathbf{r}}) \to (\mathbf{r}_{\mathbf{r}})$	( <del>/</del> ]°	1050 STELL2 N-position switch, 2 positions	<i>F</i> → <sup>1 2</sup>		1058 W3AV Change-over contact (3-path with pick-up delay	n),	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
			,			'		Suppl. field:
ation Date Name	Date2/24/2012Ed.hwagnerApprOriginal	EPLAN Symbol overview Replacement of		EPLAN Software & Service GmbH & Co. KG	Symbol overview		IEC_tpl001	= + Page 14 Page 26

			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	-,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			
-									

0	1	2	3	4	5	6	7

ymbol ove	rview							F25_001_HW
059 /2RV nange-over contact (2-path), ith drop-out delay		کل م	1067 SW3BE Switch, change-over contact (3-path), touch-sensitive	لا <i>ب</i> کے ل		1075 SW3M Limit switch, change-over contact (3-path), mechanically operated		
060 /3RV hange-over contact (3-path), th drop-out delay		>∽_°	1068 SW2D Pushbutton, change-over contact (2-path), operated by pushing	, Е		1076 SW2N Cam switch, change-over contact (2-path)	G7 –	of o
061 /2_SWB nange-over contact, omentary contact on tuation and release (right	7*	g 0-1	1069 SW3D Pushbutton, change-over contact (3-path), operated by pushing	, Eکم ا		1077 SW3N Cam switch, change-over contact (3-path)	G\	G-J °
062 /2_SWL nange-over contact, omentary contact, contact ake on release (left)	7	g or	1070 SW2F Pushbutton, change-over contact (2-path), pedal-operated	J	77 0-1	1078 SW2NE Proximity switch, change-over contact (2-path)		
063 /2_SWR nange-over contact, omentary contact, contact ake on actuation (right)	4	g or	1071 SW3F Pushbutton, change-over contact (3-path), pedal-operated	لم کر ا	97 O	1079 SW3NE Proximity switch, change-over contact (3-path)		
064 ORW vitch, NC contact, operated r turning, 2 positions	F -₩		1072 SW2G Cam-switch device, change-over contact (2-path)	⊙	0-7 °	1080 SW2NEM Proximity switch, change-over contact (2-path), actuated by proximity of magnet	∎œ-┾ ┘	
065 SRW vitch, NO contact, operated turning, 2 positions	Ŀ		1073 SW3G Cam-switch device, change-over contact (3-path)	۵۰	° Co∼J°	1081 SW3NEM Proximity switch, change-over contact (3-path), actuated by proximity of magnet	<b>[</b> �\]	
066 W2BE vitch, change-over contact -path), touch-sensitive	☞		1074 SW2M Limit switch, change-over contact (2-path), mechanicall operated	у 4 –	8 0-	1082 SW2NOT1 Emergency stop switch / Emergency stop pushbutton, change-over contact (2-path)	(     	$\left( \frac{1}{2} - \frac{1}{2} \right)$
			1			1		Suppl. f
	Date2/24/2012Ed.hwagnerAppr	EPLAN Symbol overview		EPLAN Software & Service GmbH & Co. KG	Symbol overview		IEC_tpl001	= + Pag

14								
			Date 2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed. hwagner			Service	-,	
			Appr	Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original	Replacement of	Replaced by			

0	1	2	3	4	5	6	

0	1	2	3	4	5	6 7	8	9
Symbol ove	erview							F25_001_HWR
1083 SW3NOT1 Emergency stop switch / Emergency stop pushbutton, change-over contact (3-path)	(}√⊖	(	1091 SW3RR Switch, change-over contact (3-path), operated by turning	۲~- <sup>-</sup> کم ا	► <u>9</u> -10	1099 SW3R Pushbutton, change-over contact (3-path), operated by turning	۶ک	► <u>q</u> - <u>1</u> °
1084 SW2NOT2 Emergency stop switch / Emergency stop pushbutton, change-over contact (2-path),	ᠿ		1092 SW2SR Switch, change-over contact (2-path), operated by key	ଌ∽╌┤╴┘	8-9-10	1100 SW2S Pushbutton, change-over contact (2-path), operated by key	87	8-9-10
1085 SW3NOT2 Emergency stop switch / Emergency stop pushbutton, change-over contact (3-path),	ᢔᡄᡃ᠆᠆᠆ᢩᢣ		1093 SW3SR Switch, change-over contact (3-path), operated by key	<u></u> <u></u> <u></u> <u></u> <u></u> <u></u>	8-9-10	1101 SW3S Pushbutton, change-over contact (3-path), operated by key	8کر ۲	8-9-10
1086 SW2NOT3 Emergency stop switch / Emergency stop pushbutton, change-over contact (2-path),	ᡁᡄ᠆᠆ᡬ᠊ᢒ᠋	$(-1^{-1}, -\frac{1}{2}, -\frac{1}{2}, -\frac{1}{2})$	1094 SW2AR Switch, change-over contact (2-path), general	⊦~-┤ ┘		1102 SW2Z Pushbutton, change-over contact (2-path), operated by pulling	зғ <sup></sup>	
1087 SW3NOT3 Emergency stop switch / Emergency stop pushbutton, change-over contact (3-path),	ᡁᠳ᠆᠆᠆᠆ᢩᢣᢒ		1095 SW3AR Switch, change-over contact (3-path), general	۲ کے ا		1103 SW3Z Pushbutton, change-over contact (3-path), operated by pulling	3₹\	
1088 SW2NOT4 Emergency stop switch / Emergency stop pushbutton, change-over contact (2-path),	ଡ଼ୖ୴୷ୢ୵ୠୖ		1096 SW2A Pushbutton, change-over contact (2-path), general	لــــــــــــــــــــــــــــــــــــ		1104 SW2RW Switch, change-over contact (2-path), operated by turning, 2 positions	J <sup>12</sup> F√√−7	<u>&gt;-}-¦°</u>
1089 SW3NOT4 Emergency stop switch / Emergency stop pushbutton, change-over contact (3-path),			1097 SW3A Pushbutton, change-over contact (3-path), general	۲ لم ۲ ۲		1105 SW3RW Switch, change-over contact (3-path), operated by turning, 2 positions	J <sup>12</sup> L ⊥ F-√	
1090 SW2RR Switch, change-over contact (2-path), operated by turning	₣ <b>৵</b> ╶┟	<u> </u>	1098 SW2R Pushbutton, change-over contact (2-path), operated by turning	لے ۔۔۔ ۲۲		1106 W2ARV Change-over contact (2-path), with pick-up and off-delay	X	×-9°-'
	- 1		,	1				Suppl. field:
ation Date Name	Date2/24/2012Ed.hwagnerApprOriginal	EPLAN Symbol overview Replacement of	Replaced by	EPLAN Software & Service GmbH & Co. KG	Symbol overview		IEC_tpl001	= + Page 16 Page 26

15	5										
				Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview		
				Ed.	hwagner			Service			
				Appr		Symbol overview		GmbH & Co. KG		Γ	
Мо	dification	Date	Name	Original		Replacement of	Replaced by				
_											

0 1 2 3 4 5 6								
	0	1	2	3	4	5	6	

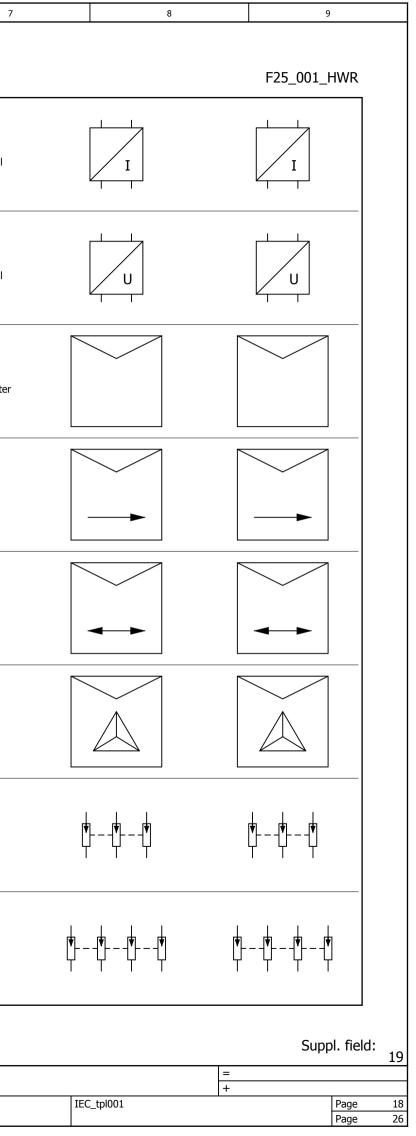
ymbol ove	erview							F25_001_HWR
107 /3ARV nange-over contact (3-path), th pick-up and off-delay		$\times $ $^{\circ}$ $^{\circ}$	1115 QL1 Power circuit breaker / motor overload switch with switch mechanism and without line			1123 M2G_B DC motor with brushes, general		
108 A4 ectromechanical operating evice with pick-up delay			1116 Fn Fuse, n-pole, general (placeholder)			1124 KL4S Electromechanical operating device of a remanent relay, detached representation		Ğ-~-Ò
109 AR4 ectromechanical operating evice with pick-up / off-delay			1117 X2 Terminal	¢	¢	1125 W2_2 Change-over contact (2-path) with break point	L, I	00
110 M4 ectromechanical operating evice of a multi-function relay			1118 KRM4 Electromechanical operating device of a remanent relay			1126 W2AV_2 Change-over contact (2-path), with pick-up delay		$\leftarrow$
111 R4 ectromechanical operating evice with off-delay			1119 SCHB1 Protective circuiting of a coil through a diode			1127 W2RV_2 Change-over contact (2-path), with drop-out delay		$\succ$
112 S11SP ngle-phase autotransformer		fun	1120 SCHB2 Protective circuiting of a coil through a diode and zener diode			1128 W2ARV_2 Change-over contact (2-path), with pick-up and off-delay	<u>بر ا</u>	$\times \overset{\circ}{\rightarrow} \overset{\circ}{\rightarrow}$
.13 _3M wer circuit breaker / motor erload switch with switch schanism, motor drive		$ \bigotimes \left( \begin{array}{c} \circ \\ \circ \\ \circ \\ \end{array} \right) \left( \begin{array}{c} \circ \\ \circ $	1121 SCHB3 Protective circuiting of a coil through a varistor			1129 W2_SWR_2 Change-over contact (2-path), momentary contact, contact make on actuation (right)	۲. ۲	00
114 U5S ug, five-pole (CEE)		[]	1122 SCHB4 Protective circuiting of a coil through an RC element			1130 W2_SWL_2 Change-over contact (2-path), momentary contact, contact make on release (left)	۲. ۲ ۲	00
			l					Suppl. fie
	Ed. hwagner	EPLAN Symbol overview		EPLAN Software & Service GmbH & Co. KG	Symbol overview		IEC_tpl001	= + Page Page

16								
			Date 2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed. hwagner			Service	-,	
			Appr	Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original	Replacement of	Replaced by			

0	1	2	3	4	5	6	7

$ \begin{array}{c} 132 \\ 132 $	e)e.						
WZTA Charge-power control (2 pref)The set of the control of the co	W2_SWB_2 Change-over contact (2-path), momentary contact on	L. V		FI_4_01 Ground fault current	┍╋╴╴╴╲╴╲╶╲╴╲╶╲╵╱╸ ╈┨╋╴╡╴┥╴┥╴┥╴┥╴┥╴┥		TISTQ Measuring transducer, ideal
W3TA Charge-power cutate (1-path) $n + 1$ <th< td=""><td>W2TA</td><td>ید<sup>ل</sup>ار ا</td><td>л20</td><td>FI_4_02 Ground fault current</td><td></td><td></td><td>TISPQ Measuring transducer, ideal</td></th<>	W2TA	ید <sup>ل</sup> ار ا	л20	FI_4_02 Ground fault current			TISPQ Measuring transducer, ideal
QSF3 Switch disconsector with fixe tirrestlyImage: function of the sector of the	W3TA Change-over contact (3-path) with self-actuating thermal		л С С О	QL4_5 Power circuit breaker.		$\frac{1}{\sqrt{\frac{0}{0}}} \left(\frac{0}{0} \left(\frac{0}{0} \right)^{\circ}\right)$	TST_1
QSF4 Switch disconnector with fuse element, four-pole (double break)Full $U = V = V$ PZAMP Counter, ampere hour meterTST_3 Stater, direct line, with reverse motion1137 FL_2_01 Ground fault current druct/breaker, 2-poleFull $U = V = V$ 1147 $U = V = V$ I155 TST_41138 FL_2_02 Ground fault current druct/breaker, 2-poleFull $U = V = V$ I148 $V = V$ I156 USP_31138 FL_2_02 Ground fault current druct/breaker, 2-poleFull $U = V = V$ I148 $V = V$ I156 USP_31139 FL_2_03 Ground fault current 	QSF3 Switch disconnector with fuse			Y1PE		\$ \$ \$	TST_2 Starter, direct line, without
FI_2_01 ground fault current circuit-breaker, 2-pole $H = - + + + + + + + + + + + + + + + + + +$	QSF4 Switch disconnector with fuse			PZAMP	Ah	¢	TST_3 Starter, direct line, with
$FI_{2}_{0} = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =$	FI_2_01 Ground fault current			PZWATT Counter, watthour meter,	Wh	¢	TST_4 Starter for star-delta
FI_2_03 Ground fault current $\downarrow$	FI_2_02 Ground fault current			PZVARH	varh	¢	USP_3
	FI_2_03 Ground fault current			PZMAX Counter, watthour meter with	Wh Pmax	¢	USP_4

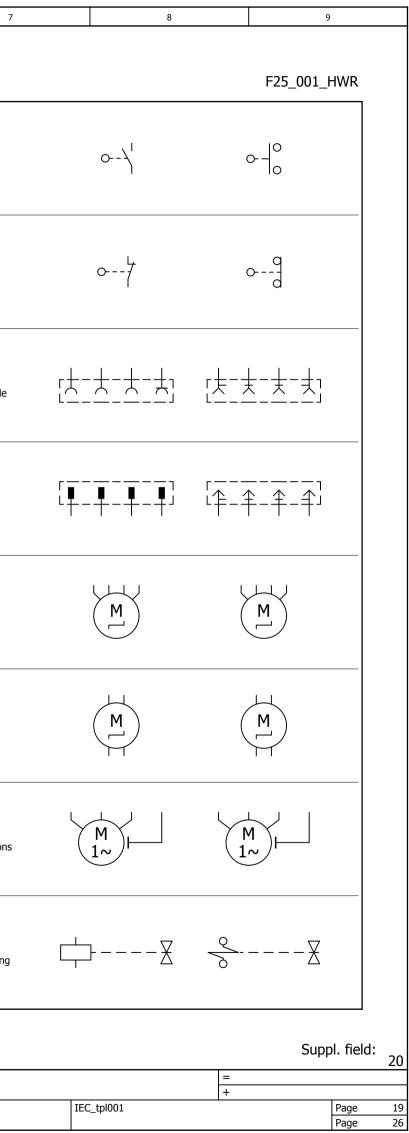
	17									
				Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
				Ed.	hwagner			Service	-,	
				Appr		Symbol overview		GmbH & Co. KG		
	Modification	Date	Name	Original		Replacement of	Replaced by			
-										



0	1	2	3	4	5	6	

1158 BST_1 NO temperature switch	᠂ᡨ	Ъ	1169 XU Female receptacle with PE, three-pole	[ <u>+-</u> +- <u>+</u> ]	[左_支_支]	1177 SSROL Switch, NO contact, roller operation
1159 BOT_1 NC temperature switch	Ⴊ-႗	лЭ	1170 FTR2 Fused disconnect, two-pole	фф	阜	1178 SOROL Switch, NC contact, roller operation
1161 QL1_2 Miniature circuit-breaker, single-pole, actuation by thermal or electromagnetic	54	$\begin{pmatrix} \circ \\ \circ \end{pmatrix}$	1171 BWT Temperature switch, change-over contact, two-path	⑭\	л2	1179 XU4 Female receptacle, four-pole with PE
1162 QL1_3 Power circuit breaker, single-pole, actuation by thermal or electromagnetic	JH*		1172 BWP Pressure switch, change-over contact, two-path	P	D2	1180 XU4S Plug, four-pole
1165 G23 Rectifier, three-phase bridge, two-pase, secondary, 3 connection points			1173 BWSW Float switch, change-over contact, two-path	۵ <sup>۲</sup>	0}	1181 M_STEPP_1 Stepping motor, general
1166 M3_1T Three-phase asynchronous motor with thermal monitoring, one rotation			1174 BWD Flow switch, general, change-over contact, two-path	[]\	⊾	1182 M_STEPP_2 Stepping motor, general
1167 M9SCHL_T Three-phase asynchronous motor with thermal monitoring, two separate			1175 SWSV Switch, change-over contact, %0-path, operated by key	₽~-╱	8~	1183 MSTELL_2 AC motor, with two directions of rotation (control valves)
1168 M6_1T Three-phase asynchronous motor, with thermal monitoring, one winding,		M 3~ Temp	1176 BWK Power-operated mechanism, general, change-over contact, two-path	□\ \	□∽	1185 Y_2Y_1 Solenoid valve, double-acting valve (Part 1)

			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	-,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			



0	1	2	3	4	5	6	7

mbol ove	erview							F25_001_HWR
.86 _2Y_2 enoid valve, double-acting ve (Part 2)			1197 QL4_1ML Power circuit breaker / motor overload switch with switch mechanism and line	⊢⊞- \	\ <u>(</u> °-(°-(°-(° 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	- 1206 SCHB6 Protective circuiting of a coil through an avalanche diode	X	<u> </u>
.87 _2Y_3 enoid valve, double-acting ve (Part 3)	ĘΞ	<del>S</del> -₹	1199 M2AIRDC DC motor, ventilator / fan			1207 SCHB7 Protective circuiting of a coil through a diode		
.88 _2Y_4 enoid valve, double-acting ve (Part 4)			1200 PE_M PE connection for motor			1208 SCHB8 Protective circuiting of a coil through a combination of diode, LED+R		
.89 PV_1 erational amplifier		_ [>∞  _ +	1201 M2W_1 AC motor, without PE, with straight connection point			1211 SSSPEED Switch, NO, reacts to speed, rotational motion		$\mathcal{A}_{\mathcal{O}}$
90 E_1 ating element with PE	   ⊢		1202 M2G_1 DC motor, general, with straight connection point			1212 SOSPEED Switch, NC, reacts to speed, rotational motion	⇒7	29
91 T1 ctromechanical operating <i>v</i> ice of an overload (thermal ay)		) B	1203 M2G_2 DC motor, general, with straight connection point			1213 SSZ2 Switch, NO contact, operated by pulling (pull switch, pull cord switch)	ב/	Ъ-ру
95 4 uit breaker, four-pole		$\left(\frac{\circ}{\circ} \left(\frac{\circ}{\circ} \left(\frac{\circ}{\circ} \left(\frac{\circ}{\circ} \right)\right)\right)\right)$	1204 M2AIR AC motor, ventilating fan			1214 SOZ2 Switch, NC contact, operated by pulling (pull switch, pull cord switch)	٦٦	Ър
96 4_10L ver circuit breaker / motor rload switch with switch chanism and without line			1205 SCHB5 Protective circuiting of a coil through a suppressor diode	X	X	1215 SCORD Switch, NC contact, emergency pull wire switch, pull cord switch	0-4	$O_{-0}^{0}$
			1			- I		Suppl. fie
	Date2/24/2012Ed.hwagnerAppr	EPLAN Symbol overview		EPLAN Software & Service GmbH & Co. KG	Symbol overview		IEC_tpl001	= + Page

19									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service		
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			
							·		

0 1 2 3 4 5 6								
	0	1	2	3	4	5	6	

ymbol over	view							F25_001_HWR
216 GREED witch, NO contact, actuated y proximity of magnet	נ \	0 0	1226 SO4P Switch, NC contact, operated by turning, 4 switching positions	<b>₣</b> ~₩~ - ॑		1303 SW2R_1 Switch, change-over contact (2-path), operated by turning	۶	×
L217 SSMNO Switch, NO contact, nechanically operated	$\langle \rangle$	°/ °	1227 SSXP Switch, NO contact (single contact for an N-position switch)			1304 SW2RR_1 Switch, change-over contact (2-path), operated by turning	J-~-√	<u>√</u> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
1218 SSMNOB Switch, NO contact, nechanically operated, actuated	7	9	1228 SOXP Switch, NC contact (single contact for an N-position switch)	<del>\</del>	d	1305 SW2D_1 Switch, change-over contact (2-path), operated by pressing	E	E2
1219 SSEND .imit switch, NO contact	Å	Ŷ	1231 XTR_SCH Isolating terminal - switching terminal	۲Ż	\(°	1306 SW2DR_1 Switch, change-over contact (2-path), operated by pressing	E - ~ - \	E × >
1220 SOEND .imit switch, NC contact	ţ.	ð	1232 XTR1_1 Isolating terminal, 2 targets, closed	þ	¢ •	1307 SW2S_1 Switch, change-over contact (2-path), operated by key	<u>8</u>	82
.223 SS3P witch, NO contact, operated y turning, 3 switching ositions	₣╶╲┧┽╶╴╲╎		1233 XTR2_1 Isolating terminal, 2 targets, opened	<i>S</i> ¢	\o \o \o	1308 SW2SR_1 Switch, change-over contact (2-path), operated by key	8~-	8~>
224 603P witch, NC contact, operated y turning, 3 switching ositions	┎╼╲╬┵╺╴ <del>┥</del>		1301 SW2A_1 Switch, change-over contact (2-path), operating element general	۲ ۲	⊦- <u>-</u> }	1309 SW2ROL_1 Switch, change-over contact (2-path), roller operation	0	0}
1225 SS4P Switch, NO contact, operated by turning, 4 switching positions	₣৵₩ᢅᢩ᠆᠆		1302 SW2AR_1 Switch, change-over contact (2-path), operating element general	⊦-~\	+ <del>×</del> − <u>→</u> 0	1310 SW2N_1 Switch, change-over contact (2-path), cam-operated	لا کم ا	G2
								Suppl. fiel
E	Date 2/24/2012 Ed. hwagner Appr	EPLAN Symbol overview		EPLAN Software & Service GmbH & Co. KG	Symbol overview		IEC_tpl001	= + Page

20									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service		
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			
_									

0	1	2	3	4	5	6	

↓	172	1320 SW2BE_1 Switch, change-over contact (2-path), touch-sensitive	KO	ko}	1332 QLS2_1 Power circuit breaker, two-pole
¢\	¢}	1321 SW2NE_1 Proximity switch, change-over contact (2-path)	¢∽	<b>\$</b> }	1333 QLS3_1 Power circuit breaker, three-pole
Qo	$\int_{0}^{0}$	1322 SW2NEM_1 Proximity switch, change-over contact (2-path), actuated by proximity of magnet	<b>[</b> \	<b>[</b> \$}	1334 QLS4_1 Power circuit breaker, four-pol
@	e2	1323 SW2NEFe_1 Switch, change-over contact (2-path), operated by approach of iron	∲ Fe	♦ O O Fe	1335 QLS2_2 Power circuit breaker, two-pole (1P+N)
]₹	J€	1325 SW2END_1 Limit switch, change-over contact (2-path)		00	1336 QLS4_2 Power circuit breaker, four-pole (3P+N)
	>}°	1326 W2_VES_1 Change-over contact (2-path), closes leading against other contacts of the contact set		2	1351 X2_1 Terminal with 2 connection points (2 x graphical line)
۶۲	fJo	1327 W2_NES_1 Change-over contact (2-path), closes lagging against other contacts of the contact set		2	1352 X2_2 Terminal with 2 connection points (1 x graphical line)
\_\	2	1331 QLS1_1 Power circuit breaker, single-pole	$\checkmark^{\pm}$	$\begin{pmatrix} \circ \\ \circ \end{pmatrix}$	1353 X3_1 Terminal with 3 connection points (3 x graphical line)
	$(\frac{l}{2})^{l}$ $(\frac{l}{2})^{l}$ $(\frac{l}{2})^{l}$ $(\frac{l}{2})^{l}$ $(\frac{l}{2})^{l}$ $(\frac{l}{2})^{l}$ $(\frac{l}{2})^{l}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$-\frac{1}{2}$ $f + -\frac{2}{3}$ SW2BE_1 Switch, change-over contact (2-path), touch-sensitive $i -\frac{1}{2}$ $i -\frac{2}{3}$ $1321$ SW2NE_1 Proximity switch, change-over contact (2-path), actualed by proximity of magnet $0 -\frac{1}{2}$ $0 -\frac{2}{3}$ $1322$ SW2NEM_1 Proximity switch, change-over contact (2-path), actualed by proximity of magnet $0 -\frac{1}{2}$ $0 -\frac{2}{3}$ $1323$ SW2NEFe_1 SW2NEFe_1 SW2NEFe_1 SW2NEFe_1 SW2NEFe_1 SW2NEFe_1 SW2NEFe_1 SW2NEFe_1 SW2END_1 Limit switch, change-over contact (2-path), does leading against other contact (2-path), doess leading against other contact of the contact set $1 -\frac{1}{2}$ $1 -\frac{2}{3}$ $1327$ W2_NES_1 Change-over contact (2-path), doess leading against other contacts of the contact set $-\frac{1}{3}$ $-\frac{2}{3}$ $1331$ QLS1_1 Power diruct breaker,	$-\frac{1}{2}$ $H - \Im$ SW2BE_1 with, change-over contact (2-path), buch-sensitive $I0 - \frac{1}{2}$ $e - \frac{1}{2}$ $e - \Im$ $1321$ SW2NE_1 Provinity with, change-over contact (2-path) $e - \frac{1}{2}$ $e - \frac{1}{2}$ $e - \Im$ $1322$ SW2NE_11 Provinity with, change-over contact (2-path) $e - \frac{1}{2}$ $e - \frac{1}{2}$ $e - \Im$ $1322$ SW2NEM_11 Provinity with, change-over contact (2-path) $e - \frac{1}{2}$ $e - \frac{1}{2}$ $e - \Im$ $1323$ SW2NEFe_1 syntch, change-over contact (for field by spreach of ion $e - \frac{1}{2}$ $e - \frac{1}{2}$ $e - \Im$ $1325$ SW2END_1 Limit switch, change-over contact (for field by spreach of ion $e - \frac{1}{2}$ $1325$ $325$ SW2END_1 Limit switch, change-over contact (for field by spreach of ion $e - \frac{1}{2}$ $p \Im$ $1325$ SW2END_1 Limit switch, change-over contact (for field by spreach of ion $e - \frac{1}{2}$ $p \Im$ $1325$ SW2END_1 Limit switch, change-over contact (2-path), change-over contact (2-path), change-over contact (2-path), change-over contact of the contact set $ \frac{1}{2}$ $p \frac{1}{2}$ $p - \Im$ $1326$ W2_VES_1 Change-over contact (2-path), change against other contact set $ \frac{1}{2}$ $ \frac{1}{2}$ $ \frac{1}{2}$ $1321$ QLS1_1 Prover drout threaster, prover drout threaster, prover drout threaster, $ \frac{1}{2}$	$-\frac{1}{2}$ $F = \Im$ SW2BE_1 Switch, change over contact Perform under searcher $P = -\frac{1}{2}$ $P = -\Im$ $e = -\frac{1}{2}$ $e = -\Im$ $\frac{1321}{SW2NE_11}$ Provincity switch, change-over contact (2 path) $e = -\frac{1}{2}$ $e = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = 22$ SW2NEM_11 Provincity switch, change-over provincity of magnet $e = -\frac{1}{2}$ $e = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = 22$ SW2NEM_11 Provincity switch, change-over provincity of magnet $e = -\frac{1}{2}$ $e = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = 22$ SW2NEM_11 Provincity switch, change-over provincity of magnet $e = -\frac{1}{2}$ $e = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = 22$ SW2NEM_11 Provincity switch, change-over provincity of magnet $e = -\frac{1}{2}$ $e = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = 22$ SW2NEM_2 $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$ $a = -\Im$ $a = -\Im$ $a = -\frac{1}{2}$ $a = -\Im$

21									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			

7		8		9		
				F25_001_I	HWR	
oole		$ \overset{*}{} - \overset{*}{} $	$\searrow$			
JOIE				0 \0		
	1	<u>*</u> -~*	\−(°	_((0		
		7-44	₹5	-[(_		
	$\checkmark$	$\checkmark$ $\checkmark$ $\checkmark$				
pole	$\wedge^{\pm}_{\neg}$	$\xrightarrow{\pm}$	$\left(\frac{1}{2}\right)$			
	I					
			$\searrow$	$\frac{1}{2}$		
				.ο δ		
	*	* * *	× 70 7	0 70 10		
		$\xrightarrow{\pm}$	$\left(\frac{s}{c}\right)$	$\left(\frac{1}{2}, \frac{1}{2}, \frac{1}{2},$		
		þ		¢		
		,		•		
		6		6		
		-\$		-\$		
_			_			
				Supp	ol. field:	23
			=			
	IEC	_tpl001	+		Page	22
		-			Page	26

0	1	2	3	4	5	6	7

-						
1354 X3_2 Terminal with 3 connection points (1 × graphical line)	4	<u>ه</u>	1397 M6_1STB Three-phase asynchronous motor, with thermal			1462 XU5_2 Female receptacle, five-pole (CEE)
			1398			
1355 X4_1 Terminal with 4 connection points (4 x graphical line)	- <b>수</b> -	-¢-	M9_1STB Three-phase asynchronous motor with thermal monitoring, two separate			1463 YB3_2 Solenoid brake, three-wire
1356 X4_2 Terminal with 4 connection points (1 x graphical line)	Ą	ò	1450 EHX1_2 Enclosure light with female receptacle			1501 BET_01 Switch - operating element, manually-operated, general
1379 XBKOAX_1 Female pin of a coaxial plug connection connection with direct connection point	¢	¢	1451 SWLR_2 Photoelectric switch, change-over contact			1502 BET_02 Switch - operating element, manually-operated, general (detent)
1380 XSKOAX_1 Plug of a coaxial plug connection connection with direct connection point	φ	$\widehat{\Phi}$	1452 SWLRX_2 Photoelectric switch, change-over contact, with plug-in connection			1503 BET_03 Switch - operating element, by rotation
1393 M2W_2T Three-phase asynchronous motor with thermal monitoring, one rotation			1455 T3DRST_2 Three-phase transformer, delta-star connection			1504 BET_04 Switch - operating element, by rotation (detent)
1394 M2M_2STB AC motor with thermal cut-out		M 1~ 5	1456 BWP_2 Pressure switch, change-over contact, two-path	P>	D2	1505 BET_05 Switch - operating element, by pushing
1396 M3_1STB Three-phase asynchronous motor with thermal cut-out, one rotation speed, one speed			1461 SOLR_2 Photoelectric switch, NC contact			1506 BET_06 Switch - operating element, by pushing, (detent)

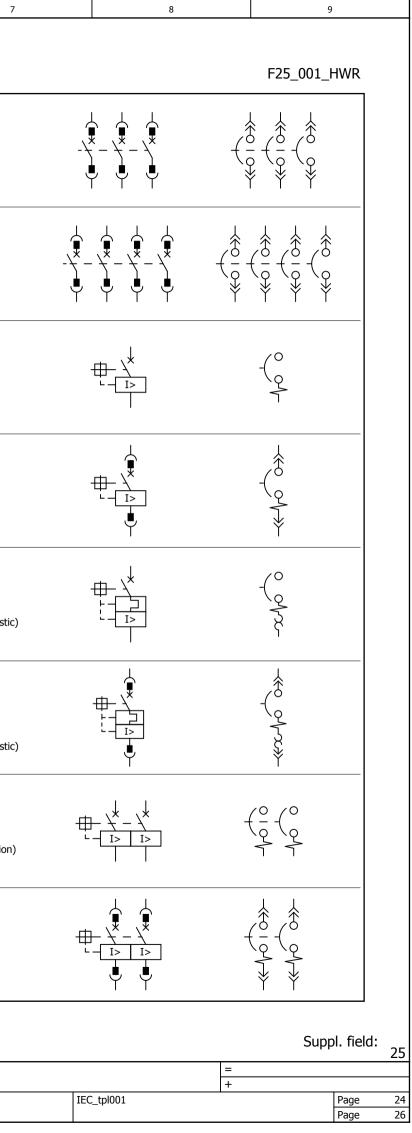
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	-,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			1

7		8			9		
7		δ		F25_			
2		<u>+-+-+-</u> +-		<u></u>	<u>±-</u> ;	±]	
			[	0/0			
		+		+			
		⊦∼		۲×			
by		<b>۶</b> -		۲_			
by		F≁		<b>₹</b> ⊻			
by		E		E			
by		E∼		E×			
					Supp	ol. field:	24
	I	EC_tpl001	= +			Page Page	23 26

0	1	2	3	4	5	6	

1						
1507 BET_07 Switch - operating element, by pulling	<b>}-</b>	<u>}-</u>	1521 Q3_1 Switch, three-pole	$-\frac{1}{2}$ $-\frac{1}{2}$ $-\frac{1}{2}$	$-f_{0} - f_{0} - f_{0}$	1529 QL3_7ST Power circuit breaker, three-pole (pluggable connection)
1508 BET_08 Switch - operating element, by crank	۲-	Γ-	1522 Q4_1 Switch four-pole	$-\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$		1530 QL4_7ST Power circuit breaker, four-pole (pluggable connection)
1509 BET_09 Switch - operating element, by detachable grip	<b>◇</b> -		1523 QL3_6 Power circuit breaker, three-pole	-\ <u>+</u> - \ <u>+</u> - \ <u>+</u>	$\left(\frac{\circ}{\circ}, \left(\frac{\circ}{\circ}, \left(\frac{\circ}{\circ}$	1535 Q_1L Power circuit breaker, single-pole (magnetic actuation)
1510 BET_10 Switch - operating element, by electric motor	(M)		1524 QL4_6 Power circuit breaker, four-pole	-\_*-\_*-\_*-\_*	$\left(\frac{\circ}{\circ}\left(\frac{\circ}{\circ}\left(\frac{\circ}{\circ}\left(\frac{\circ}{\circ}\right)\right)\right)\right)$	1536 Q_1L_ST Power circuit breaker, single-pole, pluggable connection (magnetic
1511 BET_11 Switch - operating element, by electrical clock	Ð	<b>@</b>	1525 QLTR3_2 Switch disconnector, three-pole	- <i>/</i> q - <i>/</i> q - <i>/</i> q		1537 Q_1LI Power circuit breaker, single-pole (L-,I-characteristic
1512 BET_12 Switch - operating element, by key	8-	<u>B</u> -	1526 QLTR4_2 Switch disconnector, four-pole	- <i>7</i> q - <i>7</i> q - <i>7</i> q		1538 Q_1LI_ST Power circuit breaker, single-pole, pluggable connection (L-,I-characteristic
1513 BET_13 Switch operation, general (for NFPA)	+	\	1527 QLTR3_1 Switch disconnector, three-pole, with automatic actuation by built-in measuring	$-\frac{1}{2} + \frac{1}{2} - \frac{1}{2} + \frac{1}{2} - \frac{1}{2} + \frac{1}{2}$	$-\frac{1}{2} - \frac{1}{2} - \frac{1}{2}$	1539 Q_2L Power circuit breaker, two-pole (magnetic actuation)
1514 BET_14 Switch operation, tripping device	⊕	⊕	1528 QLTR4_1 Switch disconnector, four-pole, with automatic actuation by built-in measuring relay	$-\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2}$	$-\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2}$	1540 Q_2L_ST Power circuit breaker, two-pole, pluggable connection (magnetic

23									
			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service		
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			
-									

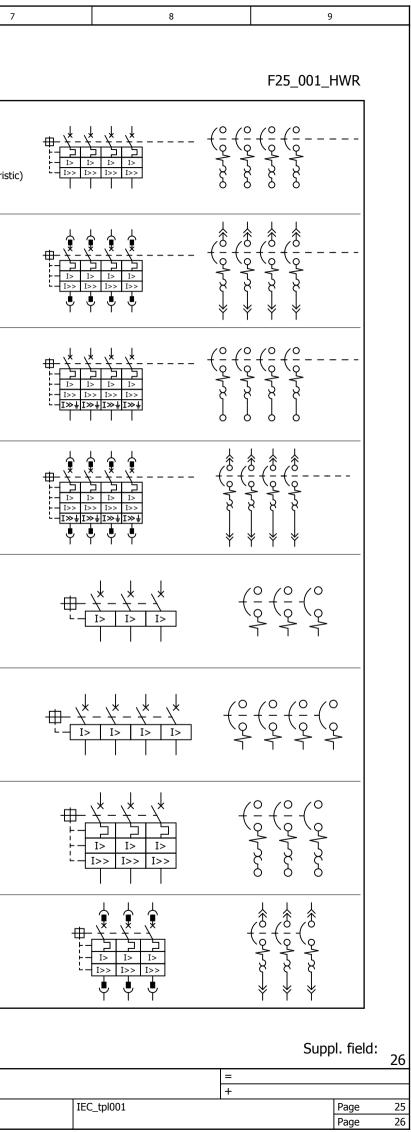


0	1	2	3	4	5	6	7

-					
1541 Q_2LI Power circuit breaker, two-pole (L-,I-characteristic)		1549 Q_3LSI Power circuit breaker, three-pole (L-,S-,I-characteristic)		$= \begin{pmatrix} \circ & (\circ & (\circ & $	1557 Q_4LSI Power circuit breaker, four-pole (L-,S-,I-characteristic
1542 Q_2LI_ST Power circuit breaker, two-pole, pluggable connection (L-,I-characteristic)		 1550 Q_3LSI_ST Power circuit breaker, three-pole, pluggable connection			1558 Q_4LSI_ST Power circuit breaker, four-pole, pluggable connection
1543 Q_2LSIG Power circuit breaker, two-pole (L-,S-,I-,G-characteristic)		1551 Q_3LSIG Power circuit breaker, three-pole (L-,S-,I-,G-characteristic)			1559 Q_4LSIG Power circuit breaker, four-pole (L-,S-,I-,G-characteristic)
1544 Q_2LSIG_ST Power circuit breaker, two-pole, pluggable connection		1552 Q_3LSIG_ST Power circuit breaker, three-pole, pluggable connection			1560 Q_4LSIG_ST Power circuit breaker, four-pole, pluggable connection
1545 Q_3L Power circuit breaker, three-pole (magnetic actuation)	$\begin{array}{c c} \hline \hline$	1553 Q_4L Power circuit breaker, four-pole (L-characteristic)	⊕- <u>\</u> - <u> </u> - <u></u> - <u> -</u>		1561 QL3_4 Power circuit breaker, three-pole, with switch mechanism
1546 Q_3L_ST Power circuit breaker, three-pole, pluggable connection (magnetic		1554 Q_4L_ST Power circuit breaker, four-pole, pluggable connection (L-characteristic)			1562 QL4_4 Power circuit breaker, four-pole, with switch mechanism
1547 Q_3LI Power circuit breaker, three-pole (L-,I-characteristic)		1555 Q_4LI Power circuit breaker, four-pole (L-,I-characteristic)			1563 QL3_2 Power circuit breaker, three-pole, with switch mechanism
1548 Q_3LI_ST Power circuit breaker, three-pole, pluggable connection (L-,I-characteristic)		 1556 Q_4LI_ST Power circuit breaker, four-pole, pluggable connection (L-,I-characteristic)			1564 QL3_3ST Power circuit breaker, three-pole, with switch mechanism (pluggable
		1			1

24 \_\_\_\_\_

			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service	-,	
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			



0 1 2 3 4 5 6								
	0	1	2	3	4	5	6	

1565 QL4_2 Power circuit breaker, four-pole, with switch mechanism			
			<u> </u>

25

Μ

			Date	2/24/2012	EPLAN		EPLAN Software &	Symbol overview	
			Ed.	hwagner			Service		
			Appr		Symbol overview		GmbH & Co. KG		
Modification	Date	Name	Original		Replacement of	Replaced by			1

7	8	9
		F25_001_HWR
		Suppl. field:
	_	

	+		
IEC_tpl001		Page	26
		Page	26