

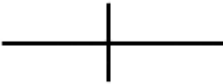
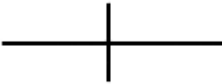

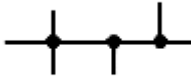


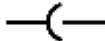


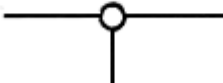

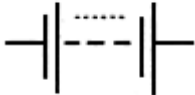



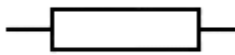


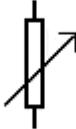

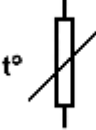
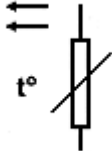
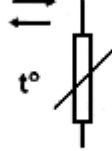
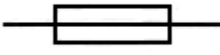





INHOUDSOPGAVE













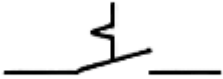
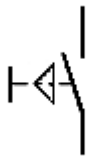
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1.1	Geleider of Leiding	4.1	Knipperautomaat of impulsgever	8.1	Statorwikkeling
1.2	Kruising of Kruising van leidingen	4.2	Richtingaanwijzerschakelaar of r.a.w. schakelaar	8.2	Statorwikkeling
1.3	Vaste verbinding of Leiding met aftakking	4.3	Richtingaanwijzer lamp	8.3	Rotorspoel
1.4	Massa of Massaverbinding	4.4	Controlelamp	8.4	Diodeblok
1.5	Stekerverbinding	4.5	Waarschuwingzoemer of zoemer	8.5	Velddioden
1.6	Vaste verbinding	4.6	Alarmlichtschakelaar	8.6	Spanningsbegrenzer (elektronisch)
1.7	Losneembare verbinding	4.7	Remlichtschakelaar (mechanisch)	8.7	Spanningsbegrenzer
1.8	Accu	4.8	Remlichtschakelaar (hydraulisch)	8.8	Dynamo met ingebouwde begrenzer
1.9	Weerstand	4.9	Claxon	8.8a	Dynamo
1.10	Regelbare weerstand	4.10	Claxonschakelaar	9	Motormanagementsystemen
1.11	Potentiometer	4.11	Schakelaar voor	9.1	Brandstofpomp of benzinepomp
1.12	Temperatuurgevoelige weerstand	4.12	remvoeringslijtage	9.2	Brandstofpomp of benzinepomp
1.13	PTC-weerstand	4.13	Schakelaar voor remvloeistof	9.3	Brandstoffilter
1.14	NTC-weerstand	4.14	Schakelaar voor parkeerrem	9.4	Brandstofpomprelais
1.15	Zekering of Smeltveiligheid (zekering)	4.15	Schakelaar voor motoroliedruk	9.5	Brandstofpomprelais (inwendig)
1.16	Verwarmingselement	4.16	Sensor voor motorolietemperatuur	9.6	Drukbegrenzer
1.17	Gelijkstroom	4.17	Koelventilator	9.7	Toerenopnemer
1.18	Wisselstroom	4.18	Temperatuurmeter	9.8	Temperatuurvoeler
1.19	Voltmeter	4.19	Brandstofmeter	9.9	Klopsensor
1.20	Ampèremeter	4.20	Klok	9.10	Lambdasonde
1.21	Ohmmeter	5	Schakelaar voor mistlamp	9.11	Lambdasonde met verwarming
1.22	Temperatuurmeter		Comfort en veiligheidssystemen	9.12	Luchthoeveelheidsmeter
1.23	Brandstofvoorraadmeter			9.13	Luchtmassameter
2	Algemeen	5.1	Kachelmotor	9.14	Luchthoeveelheidsmeter met temperatuur correctie
2.1	Ja schakelaar of Schakelaar met maakcontact	5.2	Schakelaar voor kachelventilator	9.15	Insultventiel of magneetklep
2.2a	Schakelaar die blijft staan	5.3	Achtruitverwarming	9.16	Smoorklepschakelaar
2.2	Schakelaar met maakcontact (terugverend)	5.4	Radio	9.17	Regeleenheid
2.3	Nee shakelaar of Schakelaar met verbreekcontact	5.5	Luidspreker	10	Pneumatiek
2.4	Schakelaar met wisselcontacten	5.6	Ruitenwissermotor (schematisch)	10.1a	2/2 "ja" ventiel
2.5	Schakelaar met 3 standen	5.7	Ruitenwissermoto (inwendig)	10.1	3/2 "ja" ventiel (normaal gesloten)
2.6	Schakelaar met meer standen	5.8	Schakelaar voor ruitenwisser	10.2	2/2 "nee" ventiel (normaal geopend)
2.7	Relais of Relais met maakcontact	5.9	Schakelaar voor ruitenwisser	10.3	4/2 ventiel
2.8	Relais met breekcontact	5.10	Intervalrelais	10.4	4/3 ventiel met ontlucht middenstand
2.8a	Relais met wissel contacten	5.11	Intervalrelais met wis-was-contacten	10.5	4/3 ventiel met gesloten middenstand
2.9	Relais met 2 contacten	5.12	Ruitensproeierpomp	10.6	5/2 ventiel
2.10	Elektromotor met veldwikkeling en anker serie	5.13	Elektromotor met twee draairichtingen	10.7	Knopbediening (met de hand)
2.11	Elektromotor met veldwikkeling en anker parallel	5.14	Schakelaar voor motor met twee draairichtingen	10.8	Bediening door hefboom
2.12	Elektromotor met permanente magneet	6	Startsystemen en voorgloeisystemen	10.9	Knopbediening blijft staan in geschakelde stand
2.12a	Motor	6.1	Startmotor met veldwikkeling	10.10	Bediening door rol
3	Verlichting	6.2	Startrelais	10.11	Bediening door lucht
3.1	Lichtschakelaar	6.3	Startmotor met relais	10.11a	Elektrische bediening
3.2	Lichtschakelaar met gescheiden 58 uitgang	6.4	Gloeistift	10.11b	Voetbediening
3.3	Dimschakelaar of Groot-dimlichtschakelaar	6.5	Voorgloeiautomaat	10.12	Of-ventiel (wisselventiel)
3.4	Parkeer-, achter- en kentekenverlichting	6.6	Magnetische bediende klep (gesloten)	10.13	En-ventiel (twee-drukventiel)
3.5	Controle- of signaallamp	6.7	Magnetische bediende klep (open)	10.14	Smoorventiel vast
3.6	Groot-dimlichtlamp	7	Ontstekingsystemen	10.15	Verstelbare smoring of smoorventiel regelbaar
3.7	Breedstraler	7.1	Contactslot of contactschakelaar	10.16	Smoorventiel met terugslagklep
3.8	Verstraler	7.2	Contactschakelaar met nulstandvoeding	10.17	Terugslagventiel
3.9	Duplilamp (remlicht en achterlicht)	7.3	Contactschakelaar met accessoirestand	10.18	Terugslagventiel met veer
3.10	Zwaailicht	7.4	Bobine	10.19	Cilinder enkelwerkend
3.11	Rondschiijnende seinlamp	7.5	Bougie	10.20	Cilinder dubbelwerkend
3.12	Potmeter	7.6	Verdeler	10.20a	Lucht motor
3.13	7 Polige steker	7.7a	Onderbreker	10.21	Buffer reservoir
3.14	zekeringkast	7.7	Hall signaalgever	10.22	Drukregelaar (instelbaar)
		7.8	Ontstekingsmoduul	10.23	Veiligheidsventiel (instelbaar)
		7.9	Inductieve opnemer	10.23a	Veiligheidsventiel (niet instelbaar)
				10.23b	Reduceerventiel (niet instelbaar)





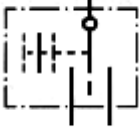
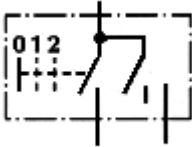
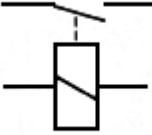
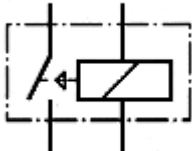
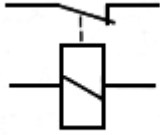
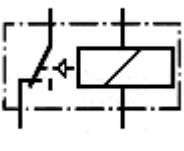
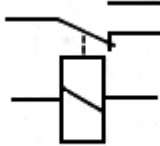
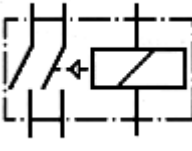
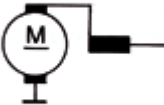

11	Luchtdrukremmen	14	Hydrauliek toepassing		
11.1	Compressor aangedreven door motor	14.1a	Gever cilinder		
11.2	Filter	14.1	Hoofdremcilinder		
11.3	Drukregelaar	14.2	Hoofdremcilinder met bekrachtiger		
11.4	Antievries-injektor of vorstbeveiliging (smeertoestel)	14.3	Onderdrukpomp		
11.5	Waterafscheider	14.4	Schijfrem		
11.5a	Automatische ontwatering of aftappunt (aftapventiel)	14.4a	Schijfremcilinder		
11.5b	Ontwateringsventiel of Water-aftappunt	14.5	Wielremcilinder of trommelrem		
11.5c	Luchtdroger	14.6	Remdrukbegrenzer		
11.6	Vierkringsbeveiligingsventiel	14.7	Remdrukbegrenzer (lastafhankelijk)		
11.7	Reservoir met water-aftappunt	14.7a	Restdrukventiel		
11.8	Voetremventiel (tweekrings)	14.8	Ventiel voor stuurbekrachtiger		
11.8a	Voetremventiel	14.9	Cilinder voor stuurbekrachtiger		
11.9	Handremventiel	14.10	Nemer cilinder		
11.10	Relaisventiel	15	Elektronische componenten		
11.11	Membraancilinder	15.1	Diode		
11.12	Veerremcilinder	15.2	Zenderdiode		
11.13	Persluchtbron	15.3	Thyristor		
11.14	Lastafhankelijk remventiel	15.4	PNP-transistor		
12	Luchtdrukremmen 2 (VBO)	15.5	NPN-transistor		
12.1	Veerremcilinder	15.6	Condensator		
12.2	Handremventiel	15.7	Elektronische condensator		
12.3	Vierkeringsveiligheidsventiel	15.8	Lichtgevoelige weerstand		
12.4	Zoemer (met vaste massa aansluiting)	15.9	Temperatuurgevoelige weerstand		
12.5	Terugslagventiel	15.10	PTC-weerstand		
12.6	Wisselventiel	15.11	NTC-weerstand		
12.7	Automatische lastafhankelijke remdrukregelaar	15.12	Lichtgevende diode LED		
12.8	Leeg-lastventiel	15.13	Lichtgevoelige diode		
12.9	Compressor	16	Digitale componenten		
12.9a	Tweetraps compressor met koeler	16.1	En-poort met 2 ingangen		
12.9b	Koeler	16.2	En-poort met 3 ingangen		
12.10	Kraan	16.3	Niet en-poort		
12.11	Luchtdroger met geïntegreerde remdrukregelaar	16.4	Of-poort		
12.11a	Luchtdroger	16.5	Niet of-poort		
12.12	Regeneratieketel	16.6	Exclusief of-poort		
12.13	Voorraadketel	16.7	Exclusief niet of-poort		
12.14	Ontwateringsventiel	16.8	Inverter		
12.14a	Aftapventiel (automatische)	16.9	Versterker		
12.15	Elektrische schakelaar	16.10	Inverterende versterker		
12.16	Drukbeter of manometer	16.11	Geheugen met 's' dominant		
12.17	Voetremventiel	17	Mechanica		
12.18	Remlicht	17.1	Enkelvoudige plaatkoppeling		
12.19	Membraanventiel	17.2	Meervoudige plaatkoppeling		
12.19a	Demper	17.3	Kruiskoppeling		
13	Hydrauliek	17.4	Klauwkoppeling		
13.1	Reservoir of tank	17.5	Glijlager radiaal		
13.2	Pomp met drukkbevestigingsventiel	17.6	Glijlager axiaal		
13.3	Drukkbevestigingsventiel (instelbaar)	17.7	Wentellager radiaal		
13.4	Manometer	17.8	Wentellager axiaal		
13.5a	2/2 "ja" ventiel normaal gesloten	17.9	Tandwiel-asverbinding vast		
13.5	3/2 "ja" ventiel normaal gesloten met energie afvoer	17.10	Tandwiel-asverbinding draaibaar		
13.6	3/2 "nee" ventiel normaal geopend met energie afvoer	17.11	Tandwiel-asverbinding schuifbaar		
13.7	4/2 ventiel	17.12	Constant-mesh		
13.8	4/3 ventiel	17.13	Synchro-mesh		
13.9	hydropomp	17.14	Haakse overbrenging		
13.9a	hydromotor	17.15	Tandwiel overbrenging		
		17.16	Ketting overbrenging		
		17.17	Tandriem overbrenging		
		17.18	V-riem overbrenging		

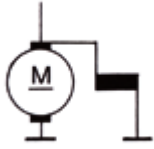
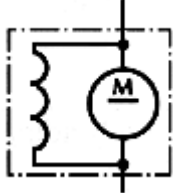



**SYMBOLEN
ELEKTRISCHE INSTALLATIES - ALGEMEEN**

Nr	Naam	Vt-Totaal	InnoVam
1.1	Geleider of leiding		
1.2	Kruising of kruisingen van leidingen		
1.3	Vaste verbinding of leiding met aftakkingen		
1.4	Massa of massaverbinding		
1.5	Stekerverbinding		
1.6	Vaste verbinding		
1.7	Losneembare verbinding		
1.8	Accu		

1.9	Weerstand		
1.10	Regelbare weerstand		
1.11	Potentiometer		
1.12	Temperatuurgevoelige weerstand		
1.13	PTC weerstand		
1.14	NTC weerstand		
1.15	Zekering of smeltveiligheid		
1.16	Verwarmingselement		
1.17	Gelijkstroom		

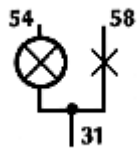


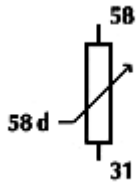
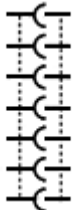


1.18	Wisselstroom		
1.19	Voltmeter		
1.20	Ampèremeter		
1.21	Ohmmeter		
1.22	Temperatuurmeter		
1.23	Brandstofvoorraadmeter		
2.1	JA-schakelaar of schakelaar met maakcontact		
2.2a	Schakelaar die blijft staan		
2.2	Schakelaar met maakcontact (terugverend)		

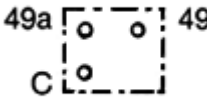
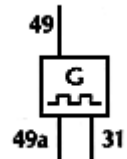
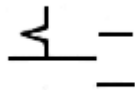
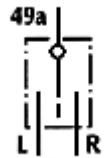
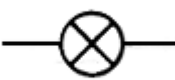

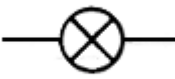



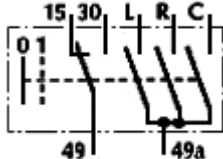
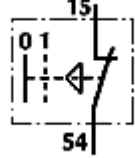
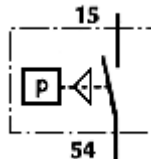
2.3	Nee schakelaar of schakelaar met verbreekcontact		
2.4	Schakelaar met wisselcontact		
2.5	Schakelaar met 3 standen		
2.6	Schakelaar met meer standen		
2.7	Relais of relais met maakcontact		
2.8	Relais met breekcontact		
2. 8a	Relais met wissel contacten		
2.9	Relais met 2 contacten		
2.10	Elektromotor met veldwikkeling en anker In serie		

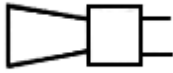
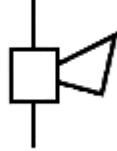


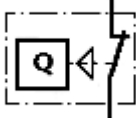

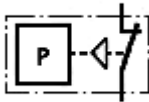
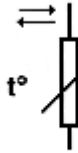


2.11	Elektromotor met veldwikkeling en anker Parallel		
2.12	Elektromotor met permanente magneet		
2.12a	Motor		



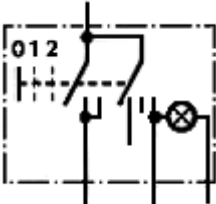
SYMBOLEN VERLICHTING

Nr	Naam	Vt-Totaal	InnoVam
3.1	Lichtschakelaar		
3.2	Lichtschakelaar met gescheiden 58 uitgang		
3.3	Dimschakelaar of groot-dimlichtschakelaar		
3.4	Parkeer-, achter- en kentekenverlichting		
3.5	Controle- of signaallamp		
3.6	Groot-dimlichtlamp		
3.7	Breedstraler		
3.8	Verstraler		


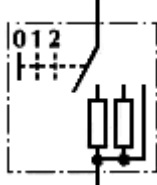


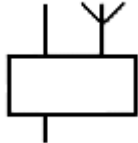

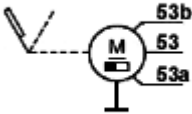
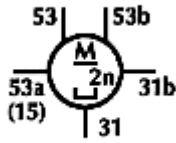
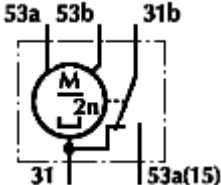
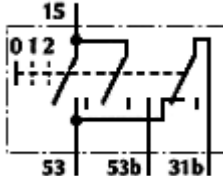
3.9	Duplolamp (remlicht en achterlicht)		
3.10	Zwaailicht		
3.11	Rondschijnende seinlamp		
3.12	Potmeter		
3.13	7 Polige steker		
3.14	Zekeringkast		


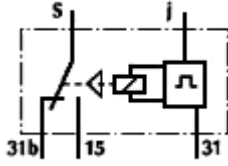
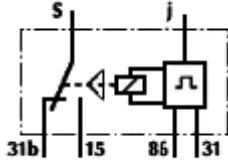

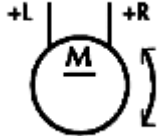
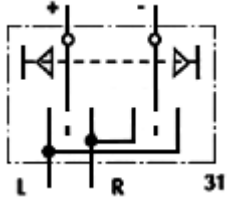
SYMBOLEN SIGNALERING			
Nr	Naam	Vt-Totaal	InnoVam
4.1	Knipperautomaat of impulsgever		
4.2	Richtingaanwijzer-schakelaar of r.a.w. schakelaar		
4.3	Richtingaanwijzer lamp		
4.4	Controlelamp		
4.5	Waarschuwingzoemer of zoemer		
4.6	Alarmlichtschakelaar		
4.7	Remlichtschakelaar (mechanisch)		
4.8	Remlichtschakelaar (hydraulisch)		

4.9	Claxon		
4.10	Claxonschakelaar		
4.11	Schakelaar voor remvoeringslijtage		
4.12	Schakelaar voor remvloeistofniveau		
4.13	Schakelaar voor parkeerrem		
4.14	Schakelaar voor motoroliedruk		
4.15	Sensor voor motorolietemperatuur		
4.16	Koelventilator		
4.17	Temperatuurmeter		

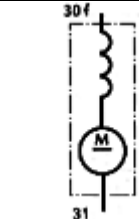
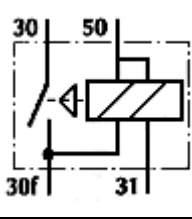
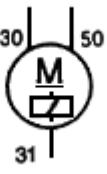
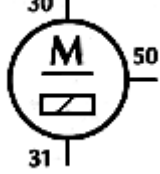

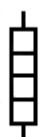
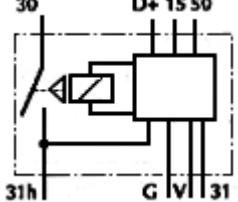
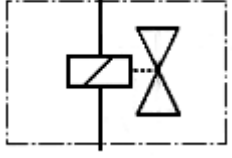
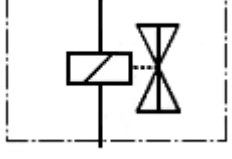
4.18	Brandstofmeter		
4.19	Klok		
4.20	Schakelaar voor mistlamp		

**SYMBOLEN
COMFORT EN VEILIGHEIDSSYSTEMEN**


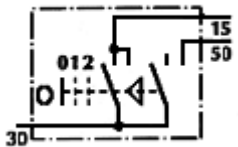
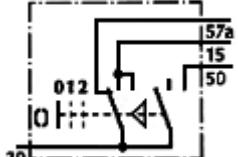
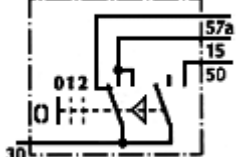






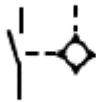
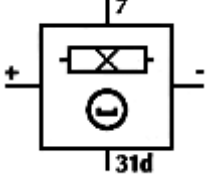
Nr	Naam	Vt-Totaal	InnoVam
5.1	Kachelmotor		
5.2	Schakelaar voor kachelventilator		
5.3	Achterruitverwarming		
5.4	Radio		
5.5	Luidspreker		
5.6	Ruitenwissermotor (schematisch)		
5.7	Ruitenwissermotor (inwendig)		
5.8	Schakelaar voor ruitenwisser		

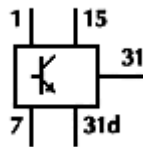
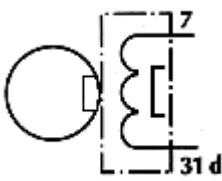
5.9	Schakelaar voor ruitenwisser		
5.10	Intervalrelais		
5.11	Intervalrelais met wis-was-contacten		
5.12	Ruitensproeierpomp		
5.13	Elektromotor met twee draairichtingen		
5.14	Schakelaar voor motor met twee draairichtingen		


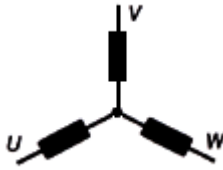
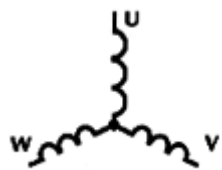
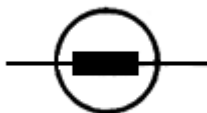

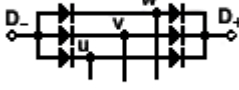
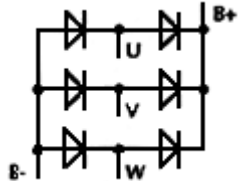
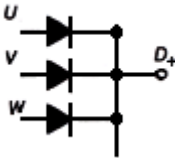
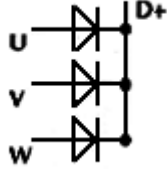
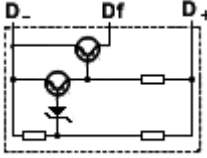
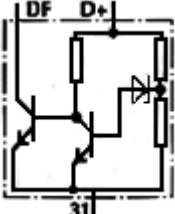
**SYMBOLEN
STARTSYSTEMEN EN VOORGLOEISYSTEMEN**

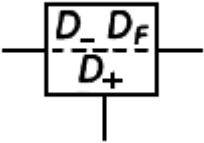
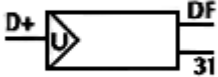


Nr	Naam	Vt-Totaal	InnoVam
6.1	Startmotor met veldwikkeling		
6.2	Startrelais		
6.3	Startmotor met relais		
6.4	Gloeistift		
6.5	Voorgloeiautomaat		
6.6	Magnetisch bediende klep (gesloten)		
6.7	Magnetisch bediende klep (open)		


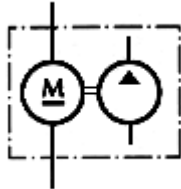

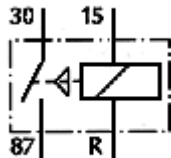
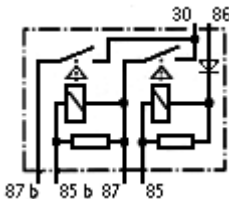


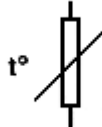
**SYMBOLEN
ONTSTEKINGSSYSTEMEN**

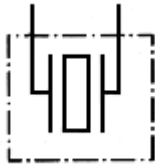
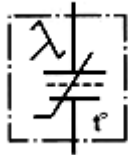
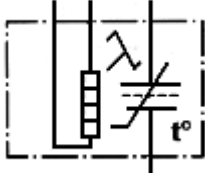
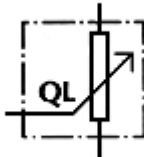
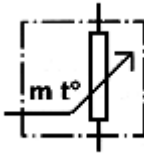
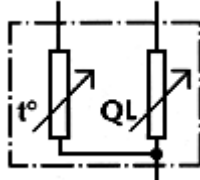
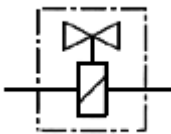
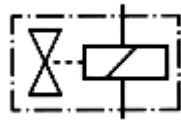

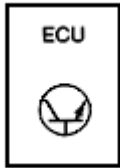
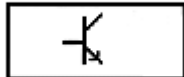
Nr	Naam	Vt-Totaal	InnoVam
7.1	Contactslot of contactschakelaar		
7.2	Contactschakelaar met nulstandvoeding		
7.3	Contactschakelaar met accessoirestand		
7.4	Bobine		
7.5	Bougie		
7.6	Verdeler		
7.7a	Onderbreker		
7.7	Hall signaalgever		

Nr	Naam	Vt-Totaal	InnoVam
7.8	Ontstekingsmodule		
7.9	Inductieve opnemer		

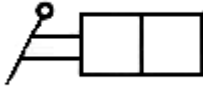

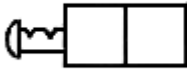



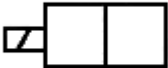
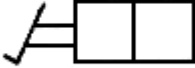

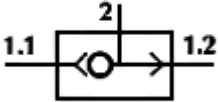
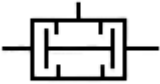
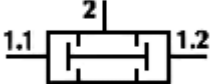

SYMBOLEN LAADSYSTEMEN			
Nr	Naam	Vt-Totaal	InnoVam
8.1	Statorwikkelingen		
8.2	Statorwikkelingen		
8.3	Rotorspoel		
8.4	Diodeblok		
8.5	Velddioden		
8.6	Spanningsbegrenzer (elektronisch)		





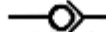

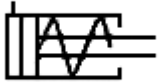
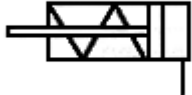
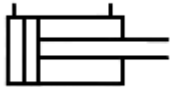
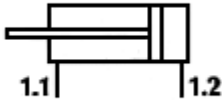
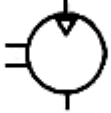

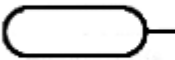
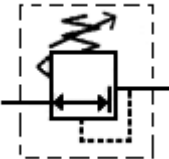
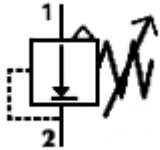
8.7	Spanningsbegrenzer		
8.8	Dynamo met ingebouwde begrenzer		
8.8a	Dynamo		

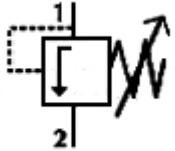
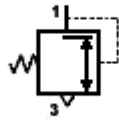
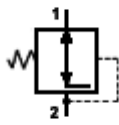
SYMBOLEN MOTORMANAGEMENTSYSTEEM			
Nr	Naam	Vt-Totaal	InnoVam
9.1	Brandstofpomp of benzinepomp		
9.2	Brandstofpomp of benzinepomp		
9.3	Brandstoffilter		
9.4	Brandstofpomprelais		
9.5	Brandstofpomprelais (inwendig)		
9.6	Drukbegrenzer		
9.7	Toerentalopnemer		
9.8	Temperatuurvoeler		

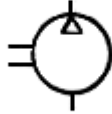
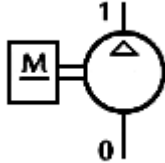

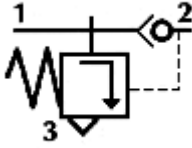






Nr	Naam	Vt-Totaal	InnoVam
9.9	Klopsensor		
9.10	Lambdasonde		
9.11	Lambdasonde met verwarming		
9.12	Luchthoeveelheidsmeter		
9.13	Luchtmassameter		
9.14	Luchthoeveelheidsmeter met temperatuurcorrectie		
9.15	Inspuitventiel of magneetklep		
9.16	Smookklepschakelaar		
9.17	Regeleenheid		

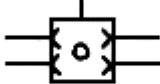
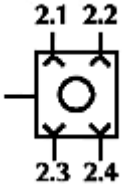

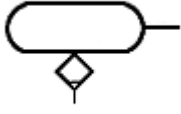
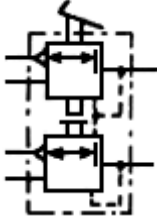
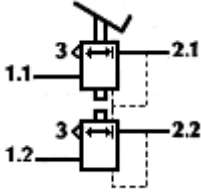
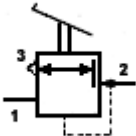
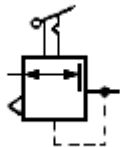
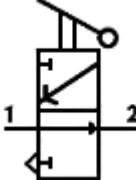
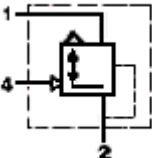
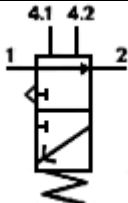

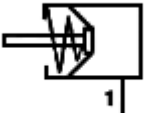


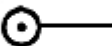

SYMBOLEN PNEUMATIEK			
Nr	Naam	Vt-Totaal	InnoVam
10.1a	2/2 "ja"ventiel		
10.1	3/2 "ja"ventiel (normaal gesloten)		
10.2	3/2 "nee"ventiel (normaal geopend)		
10.3	4/2 ventiel		
10.4	4/3 ventiel met ontluchte middenstand		
10.5	4/3 ventiel met gesloten middenstand		
10.6	5/2 ventiel		
10.7	Knopbediening (met de hand)		

10.8	Bediening door hefboom		
10.9	Knopbediening blijf staan in geschakelde stand		
10.10	Bediening door rol		
10.11	Bediening door lucht		
10.11a	Elektrische bediening		
10.11b	Voetbediend		
10.12	OF-ventiel (wisselventiel)		
10.13	EN-ventiel (twee-drukventiel)		
10.14	Smoorventiel vast		

10.15	Verstelbare smoring of smoorventiel regelbaar		
10.16	Smoorventiel met terugslagklep		
10.17	Terugslagventiel		
10.18	Terugslagventiel met veer		
10.19	Cilinder enkelwerkend		
10.20	Cilinder dubbelwerkend		
10.20a	Lucht motor		
10.21	Buffer of reservoir		
10.22	Drukregelaar of drukregelventiel (instelbaar)		

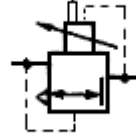
10.23	Veiligheidsventiel (instelbaar)		
10.23a	Veiligheidsventiel (niet instelbaar)		
10.23b	Reduceerventiel (niet instelbaar)		

SYMBOLEN LUCHTDRIKKREMMEN			
Nr	Naam	Vt-Totaal	InnoVam
11.1	Compressor aangedreven door motor		
11.2	Filter		
11.3	Drukregelaar		
11.4	Antivries-injector of vorstbeveiliging (smeertoestel)		
11.5	Waterafscheider		
11.5a	Automatische ontwatering of aftappunt (aftapventiel)		
11.5b	Ontwateringsventiel of Water-aftappunt		
11.5c	Luchtdroger		


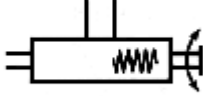
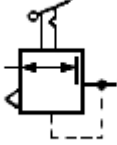
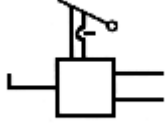
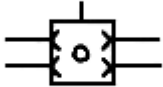





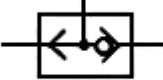
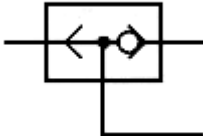
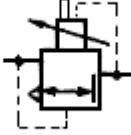


11.6	Vierkrings-beveiligingsventiel		
11.7	Reservoir met water-aftappunt		
11.8	Voetremventiel (tweekrings)		
11.8a	Voetremventiel		
11.9	Handremventiel		
11.10	Relaisventiel		
11.11	Membraancilinder		
11.12	Veerremcilinder		
11.13	Persluchtbron		

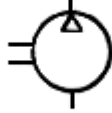

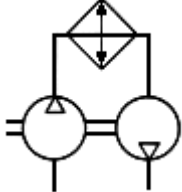



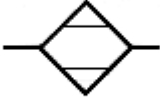
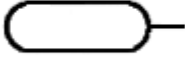
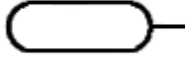
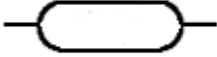
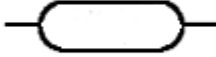

11.14





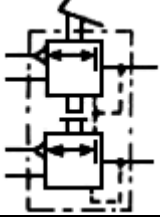
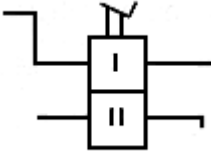



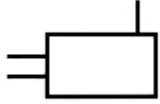

Lastafhankelijk-remventiel





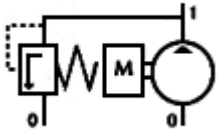



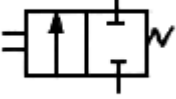

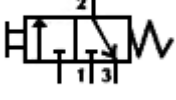
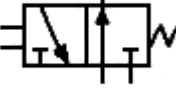
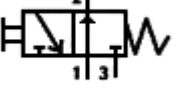
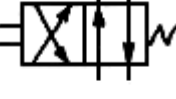

**SYMBOLEN
LUCHTDRIKKREMMEN VBO-LESSTOF**


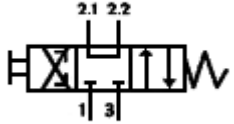
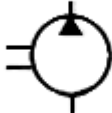
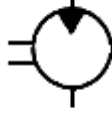
Nr	Naam	Vt-Totaal	InnoVam
12.1	Veerremcilinder		
12.2	Handremventiel		
12.3	Vierkrings-veiligheidsventiel		
12.4	Zoemer (met vaste massa aansluiting)		
12.5	Terugslagventiel		
12.6	Wisselventiel		
12.7	Automatische lastafhankelijke remdrukregelaar		
12.8	Leeg-lastventiel		

12.9	Compressor		
12.9a	Tweetraps compressor met koeler		
12.9b	Koeler		
12.10	Kraan		
12.11	Luchtdroger met geïntegreerde remdrukregelaar		
12.11a	Luchtdroger		
12.12	Regeneratieketel		
12.13	Voorraadketel		
12.14	Ontwateringsventiel		



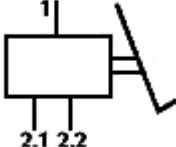
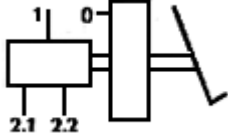
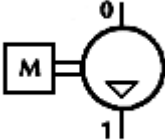

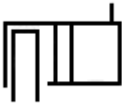


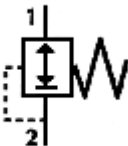
12.14a	Aftapventiel (automatische)		
12.15	Elektrische schakelaar		
12.16	Drukmeter of manometer		
12.17	Voetremventiel		
12.18	Remlicht		
12.19	Membraanventiel		
12.19a	Demper		

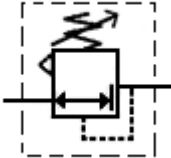


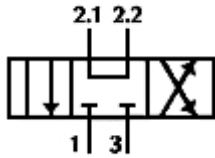

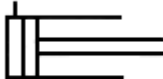
SYMBOLEN HYDRAULIEK

Nr	Naam	Vt-Totaal	InnoVam
13.1	Reservoir of tank		
13.2	Pomp met drukbegrenzingsventiel		
13.3	Drukbegrenzingsventiel (instelbaar)		
13.4	Manometer		
13.5a	2/2 JA-ventiel normaal gesloten		
13.5	3/2 JA-ventiel normaal gesloten met energie afvoer		
13.6	3/2 NEE-ventiel normaal geopend met energie afvoer		
13.7	4/2 Ventiel		



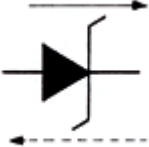


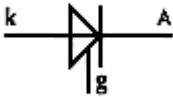

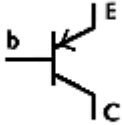

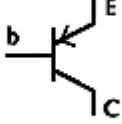




13.8	4/3 ventiel		
13.9	Hydropomp		
13.9a	Hydromotor		

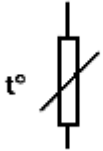
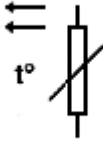
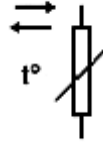

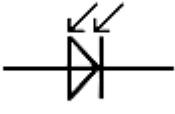
**SYMBOLEN
HYDRAULIEK TOEPASSING**

Nr	Naam	Vt-Totaal	InnoVam
14.1a	Gever cilinder		
14.1	Hoofdremcilinder		
14.2	Hoofdremcilinder met bekrachtiger		
14.3	Onderdrukpomp		
14.4	Schijfrem		
14.4a	Schijfremcilinder		
14.5	Wielremcilinder of trommelrem		
14.6	Remdrukbegrenzer		

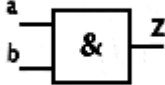
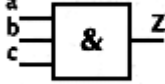
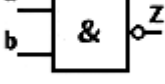
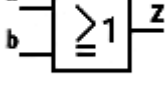
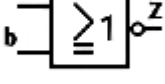
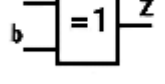
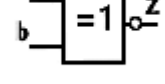
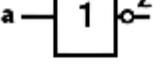
14.7	Remdrukbe grenzer (lastafhankelijk)		
14.7a	Restdrukventiel		
14.8	Ventiel voor stuurbe krachtiger		
14.9	Cilinder voor stuurbe krachtiger		
14.10	Nemer cilinder		



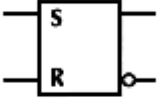

**SYMBOLEN
ELEKTRONISCHE COMPONENTEN**

Nr	Naam	Vt-Totaal	InnoVam
15.1	Diode		
15.2	Zenerdiode		
15.3	Thyristor		
15.4	PNP-transistor		
15.5	NPN-transistor		
15.6	Condensator		
15.7	Elektrolytische condensator		
15.8	Lichtgevoelige weerstand		

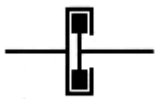
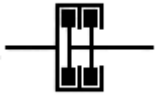

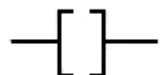
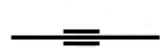

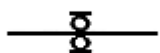
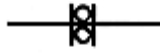
15.9	Temperatuurgevoelige weerstand		
15.10	PTC-weerstand		
15.11	NTC-weerstand		
15.12	Lichtgevende diode LED		
15.13	Lichtgevoelige diode		

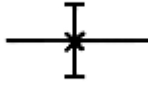
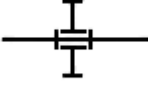
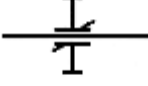
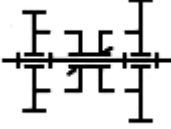
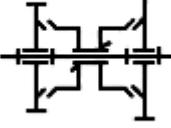
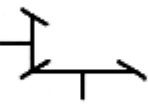
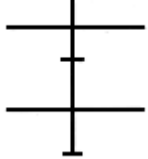
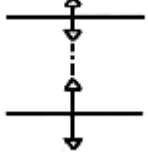
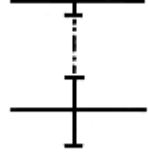
**SYMBOLEN
DIGITALE COMPONENTEN**

Nr	Naam	Vt-Totaal	InnoVam
16.1	EN-poort met 2 ingangen		
16.2	EN-poort met 3 ingangen		
16.3	Niet EN-poort		
16.4	OF-poort		
16.5	Niet OF-poort		
16.6	Exclusief OF-poort		
16.7	Exclusief niet OF-poort		
16.8	Invertor		

16.9	Versterker		
16.10	Inverterende versterker		
16.11	Geheugen met 's'dominant		
16.11a	Til die toe ziet of we wel DIN-normen hanteren, deze komen met uitzondering overeen met IEC		

**SYMBOLEN
MECHANICA**

Nr	Naam	Vt-Totaal	InnoVam
17.1	Enkelvoudige plaatkoppeling		
17.2	Meervoudige plaatkoppeling		
17.3	Kruiskoppeling		
17.4	Klauwkoppeling		
17.5	Glijlager radiaal		
17.6	Glijlager axiaal		
17.7	Wentellager radiaal		
17.8	Wentellager axiaal		

17.9	Tandwiel-asverbinding vast		
17.10	Tandwiel-asverbinding draaibaar		
17.11	Tandwiel-asverbinding schuifbaar		
17.12	Constant-mesh		
17.13	Synchro-mesh		
17.14	Haakse overbrenging		
17.15	Tandwiel overbrenging		
17.16	Ketting overbrenging		
17.17	Tandriem overbrenging		

17.18

V-riem overbrenging

