

Issued by  
Roger Eriksson

Issue Date  
2017-05-23

Approved  
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S1

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2021-01-28

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### Technical Data Calix preheater 230V AC

Calix preheater types:

MO



Subject	Specification	Requirement	Approved by
<b>1. Certification</b>			
MO	1415459	EN 60335-1:2012+A11, SS 4330790 ed. 1 EMKO-TUB(61)NO293/91 EMKO-TSB(61)NO293A/94	Intertek SEMKO
<b>2. Electrical Data</b>			
MO	Max. 250V/10A	EN 61058-1, EN 61095	Intertek SEMKO
<b>3. Temperature range</b>			
Heater connector MO	-40°C to +125°C and 30min. +140°C	IEC 60068-2-14 SS EN 60068-2-14	Intertek SEMKO
<b>Subject</b>			
<b>Specification</b>			
<b>Requirement</b>			
<b>Approved by</b>			
<b>4. Degree of protection</b>			
MO	IP46	SS EN 60 529	Intertek SEMKO
<b>5. High pressure washing</b>			
MO	Working pressure: 170 bar Water flow:17 l/min Water temperature:90°C Distance:300mm		SP (Swedish National Testing and Research Institute)
<b>6. Chemical resistance</b>			
MO		Volvo STD 7611;131 SAAB STD 5028	SP (Swedish National Testing and Research Institute)
<b>Chemicals</b>			
	<b>Type</b>		<b>Immersion Time/Temp.</b>
Oil	IRM 902		48 h/90°C
Hydraulic oil	IRM 903		30 min/23°C
Grease	Gr 2 Diester		1 h/80°C
Grease	Gr 4 Silicone		1 h/80°C

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Brake fluid	DOT 4				48 h/90°C
Battery fluid	25%H <sub>2</sub> SO <sub>4</sub>				1 h/50°C
Petrol	ISO 1817 liquid C				30 min/23°C
Petrol with alcohol	ISO 1817 liquid 4				24 h/23°C
Diesel	IRM 903/10% paraxylene				48 h/90°C
Biofuel	SS 155436				24 h/23°C
Alcofuel	SS 155437				24 h/23°C
Solvent	15-17% aromatic content				1 h/23°C
Window washing fluid	10% isopropanol, 40% ethanol , 50% water				1 h/23°C
Antifreeze	Volvo No. 1381079- 1				1 h/80°C
Road salt	5% CaCl <sub>2</sub> /NaCl 95% water				48 h/23°C
<b>7. Coolant pressure</b>					
	3 bar pressure				Calix TM 18-048
<b>8. Environment</b>					
MO		IMDS			<a href="https://public.md.system.com/en/web/imds-public-pages/home">https://public.md.system.com/en/web/imds-public-pages/home</a>
		REACH			REACH (EG) 1907/2006
<b>9. Recycling</b>					
MO	100% recoverable				Swedish Environmental Protection Agency 2017/04/09
<b>10. Corrosion</b>					
MO		SS 433 07 90 ISO 9227			Intertek Semko
<b>11. Durability</b>					
MO	9000 h				Calix TM 18-047
<b>12. Connector geometry</b>					
MO	Enkel Ø6,4				1451832

We reserve the right to change technical data without prior notice.