

Issued by Roger Eriksson	Issue Date 2017-05-18	Approved PB	Revision S2	Rev date 2021-01-27	Page 1(2)
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Technical Data

Calix preheater types:

M4T, M5T, M6T, M7T, M8T, M9T

M4S , M5S



Subject	Specification	Requirement	Approved by
1. Certification			
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T	1415379	EN 60335-1:2012+A11, SS 4330790 ed. 1 EMKO-TUB(61)NO293/91 EMKO-TSB(61)NO293A/94	Intertek SEMKO
2. Electrical Data			
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T	Max. 250V/10A	EN 61058-1, EN 61095	Intertek SEMKO
3. Temperature range			
Heater connector M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T	-40°C to +125°C and 30min. +140°C	IEC 60068-2-14 SS EN 60068-2-14	Intertek SEMKO
Subject Specification Requirement Approved by			
4. Degree of protection			
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T	IP46	SS EN 60 529	Intertek SEMKO
5. High pressure washing			
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T			SP (Swedish National Testing and Research Institute)
6. Chemical resistance			
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T		Volvo STD 7611;131 SAAB STD 5028	SP (Swedish National Testing and Research Institute)
Chemicals Type Immersion Time/Temp.			
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
Brake fluid	DOT 4		48 h/90°C
Battery fluid	25%H ₂ SO ₄		1 h/50°C

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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 ₂ /NaCl 95% water				48 h/23°C
7. Coolant pressure					
	3 bar pressure				Calix TM 18-048
8. Environment					
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T		IMDS			https://public.md.system.com/en/web/imds-public-pages/home
		REACH			REACH (EG) 1907/2006
9. Recycling					
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T	100% recoverable				Swedish Environmental Protection Agency 2017/04/09
10. Corrosion					
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T		SS 433 07 90 ISO 9227			Intertek Semko
11. Durability					
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T	9000 h				Calix TM 18-047
12. Connector geometry					
M4S, M5S, M4T, M5T, M6T, M7T, M8T, M9T	Enkel Ø6,4 Dubbel Ø6,4 Enkel Ø8,5				1451832 1451849

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