

## Technical Data

### Calix preheater system components 230V AC

Preheater system consists of:  
MS Main Supply Cable



Subject	Specification	Requirement	Approved by
<b>1. Certification</b>			
MS	1613962	EN 60309-1:1999+A1+A2 EN 60309-2:1999+A1+A2	Intertek Semko
<b>2. Electrical Data</b>			
MS	Max. 250V/16A	EN 61058-1, EN 61095	Intertek Semko
<b>3. Temperature range</b>			
MS	-40°C to +125°C and 30min. +140°C	IEC 60068-2-14 SS EN 60068-2-14	Intertek Semko
<b>4. Degree of protection</b>			
MS	IP44	SS EN 60 529	Intertek Semko
MS	IP5X	IEC 60 529	Intertek Semko Test Report: 2019980STO-201
<b>5. High pressure washing</b>			
MS	Working pressure: 170 bar Water flow: 17 l/min Water temperature: 90°C Distance: 300mm	N/A	Approved by SP, Swedish National Testing and Research Institute
<b>6. Chemical resistance</b>			
MS	According to standard	Volvo STD 7611;131 SAAB STD 5028	Approved by 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

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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 <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. Envirement</b>					
MS	Material declaration	IMDS		<a href="https://public.mdssystem.com/en/web/imds-public-pages/home">https://public.mdssystem.com/en/web/imds-public-pages/home</a>	
	According to regulation	REACH		REACH (EG) 1907/2006	
<b>8. Recycling</b>					
MS	100% recoverable			Swedish Environmental Protection Agency 2017/04/09	
<b>9. Corrosion</b>					
MS		SS 433 07 90 ISO 9227		Intertek Semko	
<b>10. Connector geometry</b>					
MS		Calix 1557903			

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