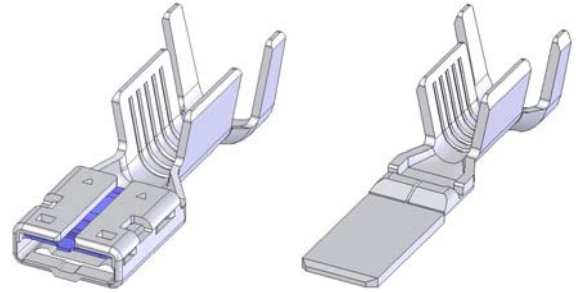


## POWER SUPPORT FOR THE FUTURE APPLICATIONS

### POWER TERMINAL

YAZAKI Engineers are constantly working on the tomorrow's technologies. As one of the leader and preferred supplier in high current technologies, we developed a small package sized Terminal / Connector Series, which based on our years experience of the existing products. The new terminal system will support the increased future current requirements (up to 105A @ 85°C) of the EHPAS / EPAS / Cooling Fan application and further applications, wherever higher current is required.



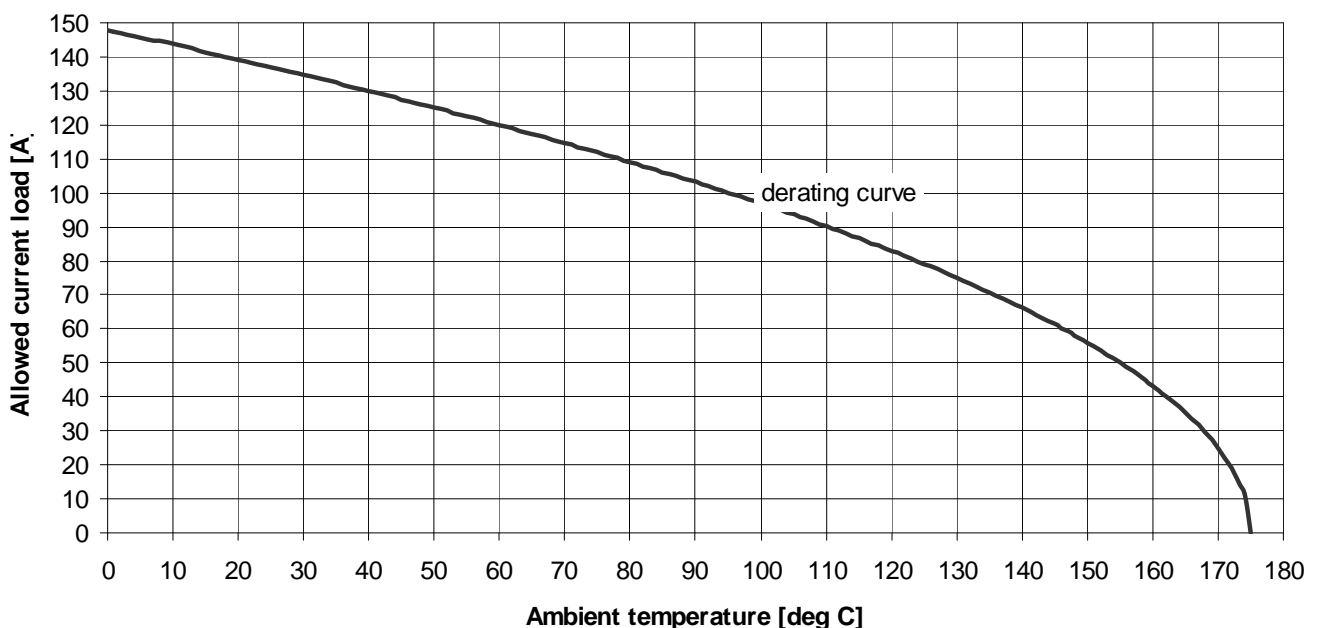
#### The stainless steel material of the Female Contact Spring provides

- low stress relaxation → reliable contact force over time
- good formability characteristics → reliable process

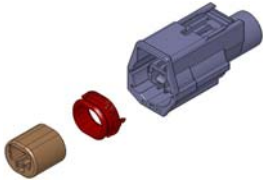



#### The High performance copper alloy material of the Female and Male Contact Body provides

- high conductivity → good current carrying capacity
- low contact resistance

DERATING DIAGRAM DIAGRAM YPC TERMINAL 7114-5625-06 AND 7116-5625-06 16 mm<sup>2</sup>  
FLRY WIRE, Ag plating



- Terminal System consistent with SAE/ISO recommended blade sizes (ISO blade size 9.5\*1.2)
- The Female Terminal provides a closed box design and Spring over deflection prevention feature to protect from damage by misaligned blades
- The High contact force Female terminals is utilized to assure adequate electrical performance under high temperature/high vibration engine compartment conditions
- The Cavity design provides the possible Space for side spacer
- Terminal Plating → Tin / Silver
- Terminal System will be qualified to USCAR Spec.,
  - o Class III – 125°C environment temperature → Tin plating
  - o Class IV – 150°C environment temperature → Silver plating
- Wire size
  - o → Y-Type Terminal: 4, 6
  - o → YPT-Terminal: 10 ~ 16 sqmm
- Contact force 42 N, Mating force 26 N
- → Max. mating Force of the 2P 9.5 WP Connector: 70N

	Connector	Applicable SWS
1P		
2P		
Hybrid (1.5 + 9.5)	