

[illegible]

# 0,635x0,635 (025) 10A

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Size										
Terminal Name			JAE 025 IL-AG5	JAE 025 MX7	AMP MQS	AMP MQS Clean Body	AMP Tandem Spring	Tyco GET	Tyco Cat 0	Molex 0.64 USCAR
Remark	CMC Pin tol. is 0.6-0.65	New ECU			Micro Quadlock System, Standard in Europe	Observed at Sumitomo In Jp		(also available at 1.5 x 0.8 & Siemens version)		
Outside View										
<div>Characteristic of Japanese terminal :<ul style="list-style-type: none"><li>- One(/two) beam against one floor</li><li>- Blade from the front (whit largecurving radius)</li><li>- One-piece terminal</li><li>- No metallic Lance(except Tyco 025)</li><li>- Higher contact force</li><li>- Wall for polarization</li><li>- No grommet, only Single Wire Seal</li><li>- SWS outside the housing for Toyota, inside the housing for Nissan</li><li>- Terminal size different from Europe</li><li>- Sumitomo have copy of all major terminal (except new terminal, TH&amp;RK)</li></ul></div>										
Inside View										
Pitch UnSealed			2.5	2.3	2.54 x 2.54	2.5 (x 4)	2.54 x 2.54	2.54 x 2.54	2.54 x 2.54	
Pitch Sealed	2.5 x 4.2	2.2 x 3.4			3.5 x 4 (SWS)		Not seen			
Contact Normal force (N)					3 N			2.5 - 3.2 N	3.7 N	
Contact Mating force (N)		<3.5N			2-5 N			3-4.3 N	3.3 N	
Share (in % for Jp)								3.7N		
Application			Unsealed	Unsealed ECU	All, Molex CMC, ...	ECU				
Customer					BMW, DC, GM, PSA, ...	BMW ?	VW, Audi	Ford US	Ford, DC US	
Cage dimensions (mm)					W 1.8 x H 2.3	W 1.8 x H 2.2	W 1.5 x H 1.37	W 1.95 x H 2.4		
Contact Unmating force (N )										
Design					2 pieces	2 pieces	1 piece	1 piece	1 piece	
Contact retention force (N)		> 80-100 N			> 60 N				> 80 - 100 N	
Primary locking										
Secondary locking										
IDC version										
Contact resistance (ohms)					IDC available < 3 mOhms	< 3 mOhms	IDC available			
Current capacity, 23°					12A	12A		15 A		
Material										
Material Thickness										
Wire size range (mm²)					0.2 to 0.75 mm²	0.2 to 0.75 mm²		0.22 to 0.75 mm²		

Total observed		In Nissan's Harness		in Toyota's Harness	
		Harness		Harness Maker	
	Celsior	Main Engine	Yazaki	Toyota	Not yet seen in Japanese Harness
	Crown	2nd Engine Wire	Yazaki		
	Windom	2nd Engine Wire	Sumitomo WS		
		Instrument Panel Wire	Yazaki		
	Mark II	Main Engine	Sumitomo WS		
	Estima	2nd Engine Wire	Yazaki		
	Corolla	2nd Engine Wire	Yazaki		
		Instrument Panel Wire	Yazaki		
	Vitz, Yaris	2nd Engine Wire	Sumitomo WS		
		Instrument Panel Wire	Sumitomo WS		
	Cima	2nd Engine Wire	Calsonic Kansel	Nissan	Low presence in Japan
	Cedric, Gloria	2nd Engine Wire	Calsonic Kansel		
	Skyline	2nd Engine Wire	Sumitomo WS		
	Elgrand	2nd Engine Wire	Yazaki		



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1,5 x 0,6 (060) 12-17 A

AMP? MXJ	Apex	FCI 060	SICMA 3	DCS-2	AMP Micro Timer	Cinch CP 1,5	Yazaki YESC 1,50	Yazaki 62 Z/C 1,50	AMP 60
Compatible AMP 1,5 series	(1,5mm Under Production / Development ?)			compatible with AMP "Timer" range	Standard in Europe	Round terminal but rectangular pin			
		TBD			Same as this 				
4 x 8,6	3,33 x 4,8 (2 pl lance)	3,4 x 4,2	3,3 x 6 (2 pl lance)	3,2x3,7	3,25 x 4	3,33 x 4,2	5 x 5	5 x 5	
Not seen	3,33 x 4,8 (Grommet)	Grommet /SWS	3,3 x 6 (Grommet)	4,5x4,5 (SWS)	4x4 (SWS)	3,33 x 4,2 (Grommet)	SWS	SWS	SWS
		5,5 N	3,2 N	4,9 N			11 N	11 N	
		4,2 N (pic)	3,3 - 4 N	3,7 N (<7 N)	> 4 N		4,3 N	4 N	
0.1%					High				
Toyota	USA	Renault-Nissan	Renault, PSA, Fiat, GM...	Germany, GM, Fiat	All, Engine	Molex & Cinch CMC	Engine applications	Engine applications	
		W 2,4 x H 2,7	W 2,6 x H 3,4	W 2,8 x L 2,2	VW, PSA, Ford, Ren., Volvo	Bosch, PSA, Fiat, Renault	Volvo, Fiat, Ford	Nissan	
1 piece	2 pieces	2,2	1,8 - 2,4 N	> 4N			W 2,6 H 2,85 L 9,6	L 9,2 W 2,5 H 2,1	W 2,35 H 2,3
		1 piece	> 100 N	2 pieces (Inox cage)	> 40 N	2 pieces	4,2	1 piece	
		120	> 100 N	> 100 N			> 90	> 90	
Rear plastic lance		RPL	Rear plastic lance	Metallic lance (Inox)		Metallic Lance	Rear plastic lance	Rear plastic lance	
Side Flap		Front grid	Front grid	Rear			Front grid	Front grid	
			< 2 mOhms	< 2 mOhms					
			17 A	12A	10A		12A	12 (6) A	
			CuZn15 / CuFe				Copper alloy	Copper alloy	
			0,35 - 2 mm²	0,22 to 1 mm²	0,2 - 1 mm²	0,35 - 2 mm²	0,35 - 1,0 mm²	0,35 - 1,0 mm²	

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16  
1,5x0,6







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