



Ambient temperature (operation):
-40 °C ... 85 °C (Plug / socket)

Degree of protection: IP67

General:

Rated current at 40°C: 2 A

Rated voltage: 30 V

Number of poles: 8

Connection method:
Insulation displacement connection

Conductor cross section: 0.14 mm² ... 0.5 mm²

Wire diameter including insulation: 0.75 mm ... 2 mm

Cable outer diameter: 5mm...10mm

Contact material:	CuSn
Contact surface material:	Ni/Au
Housing material:	Zinc die-cast, nickel-plated / M12 Thread surface Tin plated

ENG.-No.: 8A8S00-53

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED AS PER PCN-515004			<div>molex</div>									
<div><div>FA</div>= 0</div>	mm		4:1														
<div><div>FC</div>= 0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 788234 DRWN: AKABADI CHK'D: RSILLER APPR: RSILLER			FA M12 8P AC FE STR IDC SHLD									
<div><div>FE</div>= 0</div>	ANGULAR TOL ± 1.0 °																
DIVISIONAL SYMBOLS	4 PLACES		±		2024/06/04			PRODUCT CUSTOMER DRAWING									
	3 PLACES		±														
	2 PLACES		± 0.05		2024/06/05												
	1 PLACE		± 0.3														
	0 PLACES		± 0.5														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
						A3-SIZE		120071		1200710091		GENERAL MARKET		1 OF 1			
										DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
										1200710091		PSD		000		B1	