The group G is isomorphic to the group labelled by [504, 156] in the Small Groups library.
Ordinary character table of $G \cong$ PSL(2,8):

	$1a$	$2a$	$3a$	$7a$	$7b$	$7c$	$9a$	$9b$	$9c$
χ_1	1	1	1	1	1	1	1	1	1
χ_2	7	-1	-2	0	0	0	1	1	1
χ_3	7	-1	1	0	0	0	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	$-E(9)^2-E(9)^7$	$-E(9)^4-E(9)^5$
χ_4	7	-1	1	0	0	0	$-E(9)^4-E(9)^5$	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	$-E(9)^2-E(9)^7$
χ_5	7	-1	1	0	0	0	$-E(9)^2-E(9)^7$	$-E(9)^4-E(9)^5$	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$
χ_6	8	0	-1	1	1	1	-1	-1	-1
χ_7	9	1	0	$E(7)+E(7)^6$	$E(7)^2+E(7)^5$	$E(7)^3+E(7)^4$	0	0	0
χ_8	9	1	0	$E(7)^3+E(7)^4$	$E(7)+E(7)^6$	$E(7)^2+E(7)^5$	0	0	0
χ_9	9	1	0	$E(7)^2+E(7)^5$	$E(7)^3+E(7)^4$	$E(7)+E(7)^6$	0	0	0

Trivial source character table of $G \cong$ PSL(2,8) at $p = 3$:

Normalisers N_i	N_1					N_2		N_3	
p-subgroups of G up to conjugacy in G	P_1					P_2		P_3	
Representatives $n_j \in N_i$	$1a$	$7a$	$7c$	$7b$	$2a$	$1a$	$2a$	$1a$	$2a$
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	9	2	2	2	1	0	0	0	0
$0\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	36	1	1	1	-4	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9$	9	$E(7)^2+E(7)^5$	$E(7)+E(7)^6$	$E(7)^3+E(7)^4$	1	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9$	9	$E(7)^3+E(7)^4$	$E(7)^2+E(7)^5$	$E(7)+E(7)^6$	1	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	9	$E(7)+E(7)^6$	$E(7)^3+E(7)^4$	$E(7)^2+E(7)^5$	1	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	21	0	0	0	-3	3	-1	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	30	2	2	2	-2	3	1	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	1	1	1	1	1	1	1	1	1
$0\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	28	0	0	0	-4	1	-1	1	-1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,6,5)(2,4,9)(3,8,7)]) \cong$ C3
$P_3 = Group([(1,6,5)(2,4,9)(3,8,7),(1,3,9,6,8,2,5,7,4)]) \cong$ C9

$N_1 = Group([(1,2)(3,4)(6,7)(8,9),(1,3,2)(4,5,6)(7,8,9)]) \cong$ PSL(2,8)
$N_2 = Group([(1,6,5)(2,4,9)(3,8,7),(2,8)(3,4)(5,6)(7,9),(1,2)(3,8)(4,5)(6,9)]) \cong$ D18
$N_3 = Group([(1,3,9,6,8,2,5,7,4),(1,6,5)(2,4,9)(3,8,7),(2,8)(3,4)(5,6)(7,9)]) \cong$ D18