The group $G$ is isomorphic to the group labelled by [ 1512, 779 ] in the Small Groups library.

Ordinary character table of $G \cong$ PSL(2,8) : C3:

| | 1a | 2a | 3a | 7a | 9a | 3b | 3c | 6a | 6b | 9b | 9c |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $\chi_1$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_2$ | 1 | 1 | 1 | 1 | 1 | $E(3)$ | $E(3)^2$ | $E(3)$ | $E(3)^2$ | $E(3)$ | $E(3)^2$ |
| $\chi_3$ | 1 | 1 | 1 | 1 | 1 | $E(3)^2$ | $E(3)$ | $E(3)^2$ | $E(3)$ | $E(3)^2$ | $E(3)$ |
| $\chi_4$ | 7 | $-1$ | $-2$ | 0 | 1 | 1 | 1 | $-1$ | $-1$ | 1 | 1 |
| $\chi_5$ | 7 | $-1$ | $-2$ | 0 | 1 | $E(3)$ | $E(3)^2$ | $-E(3)$ | $-E(3)^2$ | $E(3)$ | $E(3)^2$ |
| $\chi_6$ | 7 | $-1$ | $-2$ | 0 | 1 | $E(3)^2$ | $E(3)$ | $-E(3)^2$ | $-E(3)$ | $E(3)^2$ | $E(3)$ |
| $\chi_7$ | 21 | $-3$ | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $\chi_8$ | 8 | 0 | $-1$ | 1 | $-1$ | 2 | 2 | 0 | 0 | $-1$ | $-1$ |
| $\chi_9$ | 8 | 0 | $-1$ | 1 | $-1$ | $2*E(3)$ | $2*E(3)^2$ | 0 | 0 | $-E(3)$ | $-E(3)^2$ |
| $\chi_{10}$ | 8 | 0 | $-1$ | 1 | $-1$ | $2*E(3)^2$ | $2*E(3)$ | 0 | 0 | $-E(3)^2$ | $-E(3)$ |
| $\chi_{11}$ | 27 | 3 | 0 | $-1$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Trivial source character table of $G \cong$ PSL(2,8) : C3 at $p = 3$:

| Normalisers $N_i$ | $N_1$ | | | $N_2$ | | $N_3$ | | $N_4$ | | $N_5$ | $N_6$ | | $N_7$ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $p$-subgroups of $G$ up to conjugacy in $G$ | $P_1$ | | | $P_2$ | | $P_3$ | | $P_4$ | | $P_5$ | $P_6$ | | $P_7$ | |
| Representatives $n_j \in N_i$ | 1a | 2a | 7a | 1a | 2a | 1a | 2a | 1a | 2a | 1a | 1a | 2a | 1a | 2a |
| $1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 27 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 3 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 108 | $-12$ | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11}$ | 27 | 3 | $-1$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 36 | $-4$ | 1 | 3 | $-1$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 9 | 1 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 3 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 90 | $-6$ | 6 | 0 | 0 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 3 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 63 | $-9$ | 0 | 0 | 0 | 9 | $-3$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 2 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 57 | $-7$ | 1 | 3 | $-1$ | 3 | $-1$ | 3 | $-1$ | 0 | 0 | 0 | 0 | 0 |
| $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 30 | $-2$ | 2 | 3 | 1 | 3 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 3 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 87 | $-9$ | 3 | 0 | 0 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| $1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 3 | 3 | 3 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 3 | 3 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 3 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 84 | $-12$ | 0 | 0 | 0 | 3 | $-3$ | 0 | 0 | 0 | 3 | $-3$ | 0 | 0 |
| $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$ | 28 | $-4$ | 0 | 1 | $-1$ | 1 | $-1$ | 1 | $-1$ | 1 | 1 | $-1$ | 1 | $-1$ |

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,5,9)(6,7,8)]) \cong$ C3
$P_3 = Group([(1,9,5)(2,4,3)(6,7,8)]) \cong$ C3
$P_4 = Group([(1,5,9)(2,4,3),(1,5,9)(6,7,8)]) \cong$ C3 x C3
$P_5 = Group([(1,7,4,5,6,2,9,8,3),(1,5,9)(2,3,4)(6,8,7)]) \cong$ C9
$P_6 = Group([(1,8,3,5,7,4,9,6,2),(1,5,9)(2,3,4)(6,8,7)]) \cong$ C9
$P_7 = Group([(1,5,9)(2,4,3),(1,5,9)(6,7,8),(1,7,4,5,6,2,9,8,3)]) \cong$ C9 : C3

$N_1 = Group([(1,2)(3,5)(4,6)(7,9),(2,3,4)(6,7,8)]) \cong$ PSL(2,8) : C3
$N_2 = Group([(1,5,9)(6,7,8),(2,3,4)(6,7,8),(1,6)(3,4)(5,7)(8,9)]) \cong$ C3 x S3
$N_3 = Group([(1,9,5)(2,4,3)(6,7,8),(2,3,4)(6,7,8),(2,8)(3,6)(4,7)(5,9),(1,2,6,9,4,7,5,3,8)]) \cong$ C9 : C6
$N_4 = Group([(2,3,4)(6,7,8),(1,5,9)(2,4,3),(2,8)(3,6)(4,7)(5,9),(1,2,6,9,4,7,5,3,8)]) \cong$ C9 : C6
$N_5 = Group([(1,7,4,5,6,2,9,8,3),(1,5,9)(2,3,4)(6,8,7),(2,4,3)(6,8,7)]) \cong$ C9 : C3
$N_6 = Group([(1,8,3,5,7,4,9,6,2),(1,5,9)(2,3,4)(6,8,7),(2,3,4)(6,7,8),(2,6,4,8,3,7)(5,9)]) \cong$ C9 : C6
$N_7 = Group([(1,8,2,5,7,3,9,6,4),(2,4,3)(6,8,7),(1,5,9)(2,4,3),(2,8)(3,6)(4,7)(5,9)]) \cong$ C9 : C6