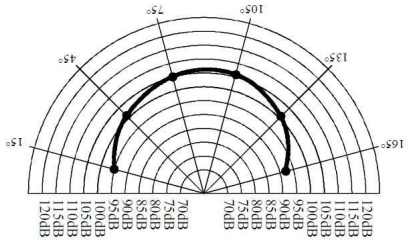
Clifford & Snell

Product Declaration of Performance: DOP-YO5

CE 2797
UKCA 0086

Approved Part Codes:	YO5 Series (YA50 & YL50)
Equipment Type:	AC & DC Outdoor 112dB Industrial Sounder
Intended Use:	Fire Alarm systems (Buildings)
Manufacturer:	**Moflash Signalling Limited:** 11 Upper Conybere Street, Highgate, Birmingham, UK, B12 0EB
Assessment System:	System 1
Notified Body & Number:	BSI Group Netherlands
Type Testing:	EN54-3: 2001 + A1:2002 + A2:2006 Evaluated to EN54-3:2014 + A1:2019
EC & UK Certificate of Constance of Performance:	2797 CPR 713892 0086 CPR 774029

Harmonised Technical Specification	**EN 54-3: 2001 + A1:2002 + A2:2006**	
Essential Characteristics	**Performance**	**Clause**
Performance Parameters Under Fire Conditions		
Sound level	Pass	4.2
Frequencies and sound pattern	Pass	4.3
Reproducibility	Pass	5.2
Operational performance	Pass	5.3
Operational Reliability		
Durability	Pass	4.4 & 5.4
Construction	Pass	4.5
Marking and data	Pass	4.6
Durability of Operational Reliability		
Dry heat (operational)	Pass	5.5
Dry heat (endurance)	Pass	5.6
Cold (operational)	Pass	5.7
Damp heat cyclic (operational)	Pass	5.8
Damp heat steady state (endurance)	Pass	5.9
Damp heat, cyclic (endurance)	Pass	5.10
Sulphur dioxide (SO_2) corrosion (endurance)	Pass	5.11
Shock (operational)	Pass	5.12
Impact (operational)	Pass	5.13
Vibration, sinusoidal (operational)	Pass	5.14
Vibration, sinusoidal (endurance)	Pass	5.15
Durability of Operational Reliability, Electrical Stability		
Electromagnetic compatibility (EMC) immunity (operational)	Pass	5.16
Durability of Operational Reliability, Resistance to Ingress		
Enclosure protection	Pass	5.17

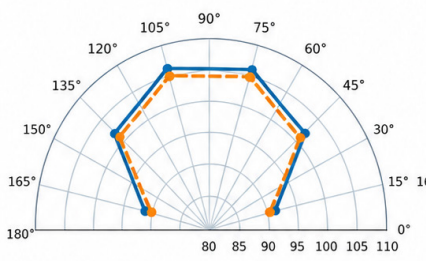


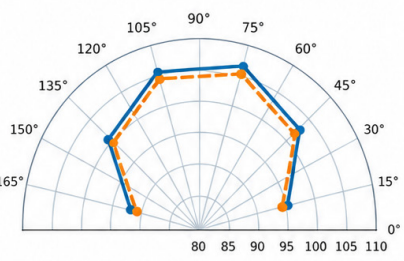
Clifford & Snell

Product Declaration of Performance: DOP-YO5

Approved Part Codes:	YO5 Series (YA50 & YL50)
Equipment Type:	AC & DC Outdoor 112dB Industrial Sounder
Intended Use:	Fire Alarm systems (Buildings)
Manufacturer:	**Moflash Signalling Limited:** 11 Upper Conybere Street, Highgate, Birmingham, UK, B12 0EB
Assessment System:	System 1
Notified Body & Number:	UL GmbH UK Branch
Type Testing:	EN54-3: 2001 + A1:2002 + A2:2006 EN54-3: 2014 + A1:2019

Essential Characteristics	Performance	EN 54-3:2001 + A1:2002 + A2:2006	EN 54-3:2014 + A1:2019
PERFORMANCE PARAMETERS UNDER FIRE CONDITIONS			
Sound level / Sound pressure level	Pass	4.2	4.3.1 / 5.3.1
Frequencies and sound pattern	Pass	4.3	4.3.2 / 5.3.2
Reproducibility	Pass	5.2	5.1.7
Operational performance	Pass	5.3	No direct single equivalent — see 5.3.1–5.3.5
OPERATIONAL RELIABILITY			
Durability / Duration of operation	Pass	4.4 & 5.4	4.2.1 / 5.2.1
Construction	Pass	4.5	Requirements redis-tributed under 4.2 / 5.2
Marking and data	Pass	4.6	Clause 8 + Annex C
Provision for external conductors	Pass	4.5.1	4.2.2 / 5.2.2
Flammability of materials	Pass	4.5.2	4.2.3 / 5.2.3
Enclosure protection	Pass	4.5.3 / 5.17	4.2.4 / 5.2.4
Access	Pass	4.5.4	4.2.5 / 5.2.5
Manufacturer's adjustment	Pass	—	4.2.6 / 5.2.6
On-site adjustment of operation mode*	Pass	—	4.2.7 / 5.2.7
Software-controlled sounders*	Pass	—	4.2.8 / 5.2.8
DURABILITY OF OPERATIONAL RELIABILITY / DURABILITY OF PERFORMANCE PARAMETERS UNDER FIRE CONDITIONS			
Dry heat (operational)	Pass	5.5	4.4.1 / 5.4.1
Dry heat (endurance)	Pass	5.6	4.4.1 / 5.4.1
Cold (operational)	Pass	5.7	4.4.1 / 5.4.1
Damp heat, cyclic (operational)	Pass	5.8	4.4.2 / 5.4.2
Damp heat, steady state (endurance)	Pass	5.9	4.4.2 / 5.4.2
Damp heat, cyclic (endurance)	Pass	5.10	4.4.2 / 5.4.2
Sulphur dioxide (SO_2) corrosion (endurance)	Pass	5.11	4.4.4 / 5.4.4
Shock (operational)	Pass	5.12	4.4.3 / 5.4.3
Impact (operational)	Pass	5.13	4.4.3 / 5.4.3
Vibration, sinusoidal (operational)	Pass	5.14	4.4.3 / 5.4.3
Vibration, sinusoidal (endurance)	Pass	5.15	4.4.3 / 5.4.3
Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16	4.4.5 / 5.4.5
Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16	4.4.5 / 5.4.5





Corrected sound pressure levels at 1 m

Angle	Horizontal max	Horizontal min	Vertical max	Vertical min
15°	91.00	90.30	94.70	93.90
45°	101.30	100.50	102.40	101.60
75°	106.00	105.00	106.70	105.60
105°	106.50	105.40	105.90	104.90
135°	101.80	101.00	100.30	99.50
165°	91.00	90.10	91.70	90.90

All levels in dB(A). Correction applied: −1.64 dB to each supplied first-batch measurement.

Signed for Moflash Signalling Ltd

Marc Bailey - Company Director
13/08/2026, Birmingham UK.