

Data Sheet for Article: LTT11600--

Overload relay 10 - 16A

Current range 10-16A, Size type 1, Product category Motor protection relay



Technical Data

Current range (A)	10-16
Size type	1
Product category	Motor protection relay
Standard	IEC EN 60947
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature Open (°C)	-25 / +55
Ambient temperature Enclosed (°C)	-25 / +40
Temperature compensation	continuously
Weight (kg)	0,15
Mech. shock resistance Half-sinusoidal shock 10ms	10
IP Rating	IP20
When actuated from front (EN 50274)	Finger and back-of-hand proof
Rated impulse withstand voltage [Uimp] (V)	6000
Overvoltage category/pollution degree	III/3
Rated insulation voltage [Ui] (V)	690
Rated operational voltage (V)	690
Safe isolation to EN 61140	-
Between auxiliary contacts and main contacts (VAC)	440

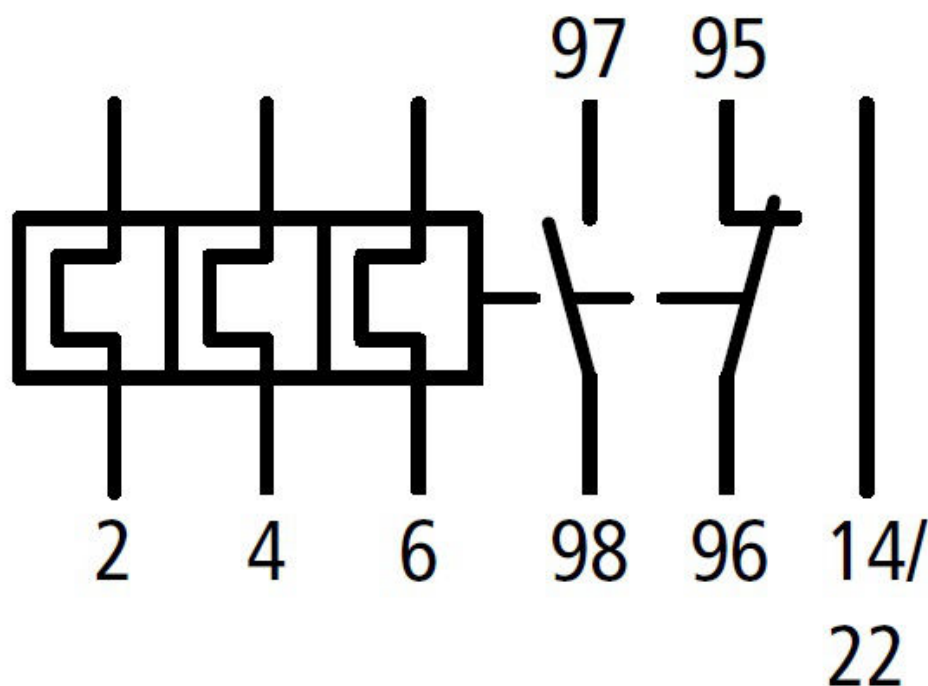
Technical Data - continued

Between main circuits (VAC)	440
Temperatur compensation residual error > 40 °C	≤ 0,25 %/K
Current heat loss (3 conductors)	-
Lower value of the setting range (W)	3
Maximum value of the setting range (W)	5,4
Terminal cross-section main contact (mm²)	-
Solid [main cable] (mm²)	1 x (1 - 6) 2 x (1 - 6)
Flexible with ferrule [main cable] (mm²)	1 x (1 - 4) 2 x (1 - 4)
Solid or stranded [main cable] (AWG)	18 - 8
Terminal screw [main cable]	M4
Tightening torque [main contact] (Nm)	1,80
Stripping length [main cable] (mm)	10
Tools [main cable]	-
Philips/Pozidriv screwdriver [main cable]	PZ 2
Standard screwdriver [main cable] (mm)	1 x 6
Rated impulse withstand voltage [contr.cir.cable] (V)	4000
Overvoltage cat./pollution degree[contr.cir.cable]	III/3
Terminal capacity auxiliary contact (mm²)	-
Solid [auxiliary cables] (mm²)	1 x (0,75 - 4) 2 x (0,75 - 4)
Flexible with ferrule [auxiliary cables] (mm²)	1 x (0,75 - 2,5) 2 x (0,75 - 2,5)
Solid or stranded [auxiliary cables] (AWG)	2 x (18 - 14)
Terminal screw [auxiliary cables]	M3,5
Tightening torque [auxiliary contact] (Nm)	1,20
Stripping length [auxiliary cables] (mm)	8
Tools [auxiliary cables]	-
Philips/Pozidriv screwdriver [auxiliary cables]	PZ 2
Standard screwdriver [auxiliary cables]	1 x 6
Rated insulation voltage auxiliary circuit Ui (VAC)	500
Rated operational voltage [contr.cir.cable] Ue (VAC)	500
Safe isolation according to EN 61140	-
Between the auxiliary contacts (VAC)	240
Conventional thermal current Ith (A)	6
Rated operational current [contr.cir.cable] Ie (A)	-
AC-15 Make contact 120 V Ie (A)	1,5
AC-15 Make contact 220 V 230 V 240 V Ie (A)	1,5
AC-15 Make contact 380 V 400 V 415 V Ie (A)	0,5
AC-15 Make contact 500 V Ie (A)	0,5
AC-15 Break contact 120 V Ie (A)	1,5
AC-15 Break contact 220 V 230 V 240 V Ie (A)	1,5
AC-15 Break contact 380 V 400 V 415 V Ie (A)	0,9
AC-15 Break contact 500 V Ie (A)	0,8
DC L/R ≤ 15 ms Note	Switch-on and switch-off conditions based on DC-13, time constant as specified

Technical Data - continued

DC L/R $\leq$ 15 ms 24 V Ie (A)	0,9
DC L/R $\leq$ 15 ms 60 V Ie (A)	0,75
DC L/R $\leq$ 15 ms 110 V Ie (A)	0,4
DC L/R $\leq$ 15 ms 220 V Ie (A)	0,2
Short-circuit rating without welding	-
Max. fuse (A gG/gL)	6
Rating data for approved types	-
Auxiliary contacts	-
Pilot Duty AC operated	B300, B600
Pilot Duty DC operated	R300
Short Circuit Current Rating	-
600 V High Fault SCCR (fuse) (kA)	100
600 V High Fault max. Fuse (A)	35 Class J

Circuit diagram: Overload relay 10 - 16A



Dimensioned drawing: Overload relay 10 - 16A

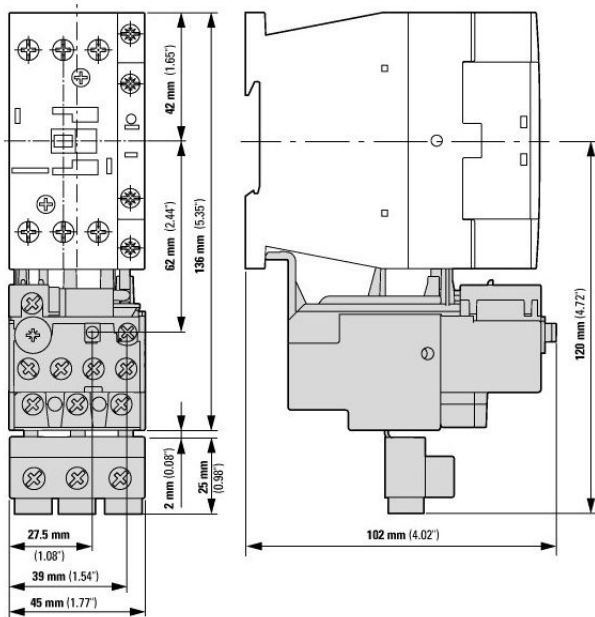
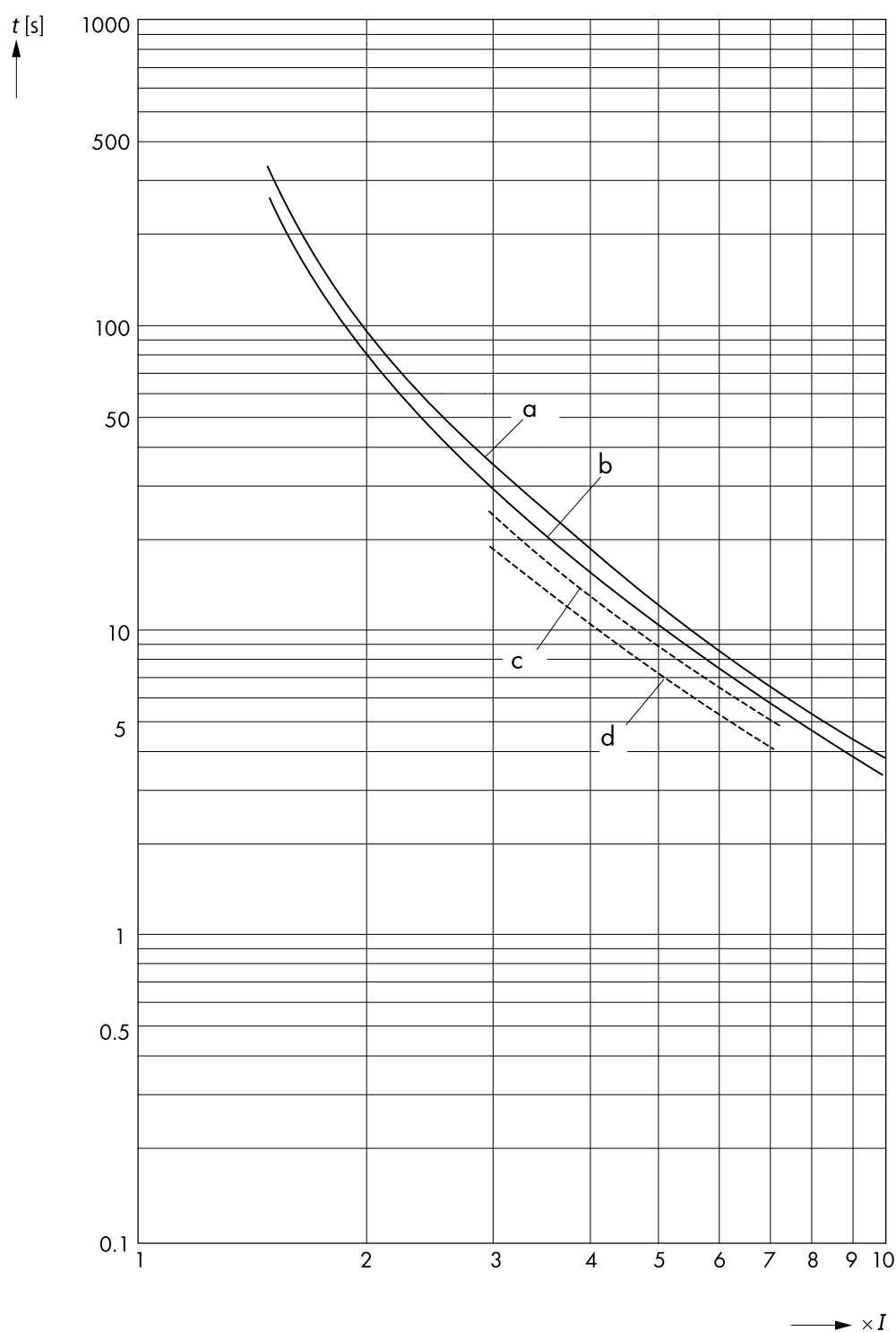


Diagram: Overload relay 10 - 16A



DESCRIPTION	Order No.
Overload relay 10 - 16A Current range 10-16A, Size type 1, Product category Motor protection relay	LTT11600